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GLOBAL CLIMATIC DATA FOR SURFACE, 800 mb,
400 mb: JULY

C. Schutz, et al

RAND Corporation

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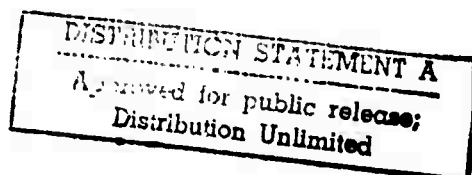
Global Climatic Data for Surface, 800 mb, 400 mb: JULY

C. Schutz and W. L. Gates



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10. ABSTRACT The second publication in the effort to gather, in one common format, the most representative global climatologies of certain seasonal meteorological variables. From selected data sources, the July global distributions of pressure, temperature, wind, and moisture are reconstructed for the three atmospheric levels. These data are supplemented by presentations of the global distributions of albedo, cloudiness, evaporation, precipitation, and selected elements of the surface heat balance. All data are interpolated at the 4-deg latitude by 5-deg longitude global grid used in the Mintz-Arakawa model. They are given in the form of both tabulated values and machine-analyzed maps.		11. KEY WORDS CLIMATE METEOROLOGY	

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PREFACE

An important part of the Rand/ARPA research program on the dynamics of climate is the evaluation of the accuracy of simulations of the global climate given by numerical solutions of models of the general atmospheric circulation (in particular, the Mintz-Arakawa model). Systematic evaluation requires a knowledge of the global distribution of the common climatic variables. These include pressure, temperature, humidity, wind, and precipitation, together with the associated distributions of the elements of the global radiation and hydrologic balances. Such data, we have discovered, are not readily available, and even those that are obtainable are usually in a variety of forms and not immediately comparable to other climatic data.

The data presented in this report follow the pattern of our January reports R-915-ARPA and R-915/1-ARPA. These studies are the result of a continuing effort to gather in one place and in a common format the most representative global climatologies of selected seasonal meteorological variables. These July data represent the second part of a set of seasonal (quarterly) data being compiled for a Global Climatic Atlas.

SUMMARY

From selected climatological data sources the July global distribution of pressure, temperature, wind, and moisture is reconstructed for the surface, 800 mb, and 400 mb. These data are supplemented by presentations of the global distributions of albedo, cloudiness, evaporation, precipitation, and selected elements of the surface heat balance. All data are interpolated at the 4° latitude by 5° longitude global grid used in the Mintz-Arakawa model and are given in the form of both tabulated values and machine-analyzed maps.

ACKNOWLEDGMENTS

Sincere appreciation is extended to those at the National Climatic Center of the National Oceanic and Atmospheric Administration (NOAA), the National Center for Atmospheric Research (NCAR), and the Environmental Technical Applications Center (ETAC) of the Air Force, who co-operated in making available the latest magnetic tapes of surface and upper-air data for this special analysis. Appreciation is also extended to R. C. Alexander for his efforts in developing the data on sea-surface temperature and ice limits at high latitudes. Thanks are also due R. L. Mobley and A. B. Nelson for reducing these data to the desired format.

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1. INTRODUCTION

The data presented in this report describe the global distribution of the primary climatic elements of pressure, temperature, wind, and moisture, together with the surface albedo and a number of components of the surface heat and water balances for July. The planetary albedo data included in R-915/1-ARPA (Schutz and Gates, 1972) are *not* available for July. Both smoothed and unsmoothed data were gathered and processed for use in the evaluation of climate simulation experiments made with numerical general circulation models. The present report, however, is a response to the recognition that these data may also be useful as a climatic summary in their own right.

A primary purpose of the present compilation of data is to present the "observed" July distribution of those meteorological variables simulated by the two-level atmospheric model of Mintz and Arakawa. This model simulates the wind, temperature, and geopotential at two tropospheric levels--which for our purposes may be regarded as the 400-mb and 800-mb levels--and also the moisture distribution at the lower (800-mb) level. At the earth's surface, the model simulates the pressure, the surface air temperature, and the ground temperature, together with the elements of the surface heat balance, including the net radiation flux, the latent heat flux associated with surface evaporation, and the surface flux of sensible heat. The model also simulates elements of the hydrologic balance, including cloudiness, precipitation, and ground wetness. The ocean temperature and surface albedo data also given here are input boundary conditions to the model.*

Despite a search for the best possible data, the July global distribution of each of these variables was not readily available in the climatic literature. Those variables that were available at the surface,

* A documentation of this model for use in the Rand research program on climate dynamics is available (Gates et al., 1971).

at 800 mb, and at 400 mb are summarized in Table 1.1, which also serves as a guide to the report's sources of information, maximum period of record, maps, and data tabulations. In most cases the 800-mb and 400-mb data had to be interpolated at the 4° latitude, 5° longitude grid of the Mintz-Arakawa model from unsmoothed, taped data in two NAVAIR publications, whereas most of the surface data were visually interpolated from analyses published in atlases.

A global analysis of each variable selected is given in Sec. 3, together with a tabulation of the associated grid-point data in Sec. 5. Exceptions are the observed clouds and winds, for which only northern-hemisphere data are presently available in adequate quantity. Geostrophic wind and satellite cloud analyses are included, however, for both the northern and southern hemispheres, in an effort to present an approximation to the global wind and cloud pattern for July.

For each of the data distributions shown in Sec. 3, the corresponding distribution of the zonal averages is given in Sec. 4, along with the global average value. Further details of the data selection and processing are given below. The asterisk (*) in the grid-point data tabulations of Sec. 5 denotes missing data. These regions correspond to the blank or "no data" areas on the analyzed maps and zonal averages of Secs. 3 and 4. An exception occurs in the sea-surface temperature data in Secs. 3 and 5, where the letter "I" is included to denote the locations of sea ice.

Table 1.1

IDENTIFICATION OF SELECTED CLIMATIC VARIABLES FOR JULY

Data or Variable	Unit	Source	Maximum Record Period	Level ^a		
				Surface	800 mb	400 mb
Sea-level pressure	mb	(1) Crutcher and Meserve (1970) (2) Taljaard et al. (1969)	1931-1960 1929-1967	14, 42, 70-73		
Temperature (air)	deg C	(1) Crutcher and Meserve (1970) (2) Taljaard et al. (1969)	1931-1960 1929-1967	15, 43, 74-77	28, 56, 126-129	35, 63, 154-157
Temperature (sea surface)	deg C	Washington and Thiel (1970) Hydrographic Office Atlases (1944, 1957, 1958)	Various	16, 44, 78-81		
Geopotential height	10 ² m	(1) Crutcher and Meserve (1970) (2) Taljaard et al. (1969)	1950-1964 1948-1966		29, 57, 130-133	36, 64, 158-161
Relative humidity	Percent	(1) Crutcher and Meserve (1970) (2) Taljaard et al. (1969)	1931-1960 1929-1967	17, 45, 82-85	30, 58, 134-137	
Cloudiness	Tenths	(1) Environmental Technical Applications Center (1971) (2) Miller et al. (1970) and Miller (1970)	1963-1968 1967-1970	18, 46, 86-89 19, 47, 90-93		
Annual precipitation Jun-Jul-Aug precipitation	mm day ⁻¹	Lvovitch and Ovtchinnikov (1964)	1950-1956 (?)	20, 48, 94-97		
Evaporation	mm day ⁻¹	Möller (1951) Budyko (1963)	Various 1955-1960 (?)	21, 49, 98-101 22, 50, 102-105		
Surface albedo ^b	Fractions	Posey and Clepp (1964)	Various	23, 51, 106-109		
Solar radiation absorbed	10 ² ly day ⁻¹	Budyko (1963)	1955-1960 (?)	24, 52, 110-113		
Radiation balance	10 ² ly day ⁻¹	Budyko (1963)	1955-1960 (?)	25, 53, 114-117		
Sensible heat flux	10 ² ly day ⁻¹	Budyko (1963)	1955-1960 (?)	26, 54, 118-121		
Heat balance	10 ² ly day ⁻¹	Based on Budyko (1963)	1955-1960 (?)	27, 55, 122-125		
Wind (east-west)	m sec ⁻¹	Crutcher (1961)	1948-1953		31, 59, 138-141	37, 65, 162-165
Wind (north-south)	m sec ⁻¹	Crutcher (1961)	1948-1953		32, 60, 142-145	38, 66, 166-169
Geostrophic wind (east-west)	m sec ⁻¹	(1) Crutcher and Meserve (1970) (2) Taljaard et al. (1969)	1931-1960 1929-1967		33, 61, 146-149	39, 67, 170-173
Geostrophic wind (north-south)	m sec ⁻¹	(1) Crutcher and Meserve (1970) (2) Taljaard et al. (1969)	1931-1960		34, 62, 150-153	40, 68, 174-177

^aThe numbers in each of these three columns are the page numbers of the global map analyses, the zonally averaged data, and the global data tabulations, respectively.

^bPlanetary albedo data, included in R-915/1-ARPA, were not available for July.

2. DATA SELECTION AND PROCESSING

The processing or manipulation of each primary source of the July mean data identified in Table 1.1 is briefly described below. After a careful review of all known sources of pertinent data, we concluded that the sources used here represent the best collection of "global" data possible at the present time, at least for the purpose of comparison with the model's global simulations. The observational content, special processing, and limitations of these data (including various record lengths) are discussed further in the data publications themselves. Although the discussion in this report refers primarily to the data of Figs. 3.1 through 3.24, it also applies to the corresponding zonally averaged data of Figs. 4.1 through 4.24, as well as to the supporting grid-point data presented in Tables 5.1 through 5.24.

SURFACE DATA

The surface and sea-level pressure, temperature, and relative humidity shown in Secs. 3, 4, and 5 are based on unsmoothed data for the July averages for the northern and southern hemispheres. These data were taped from two previous publications: NAVAIR 50-1C-52 (Crutcher and Meserve, 1970) and NAVAIR 50-1C-55 (Taljaard, et al., 1969). A linear interpolation was applied to the 5° latitude tabulated data to generate data for every 4° of latitude, beginning at the poles; the presentation of the 5° longitude data was left intact.

Pressure, Temperature, and Relative Humidity

The sea-level pressure (Fig. 3.1), the surface air temperature (Fig. 3.2), and the surface dew-point temperature were taken from the foregoing sources. The dew point was then converted to relative humidity (RH) (Fig. 3.4) by the formula

$$RH = \frac{e^A(p - 6.11 \text{ mb } e^B)}{e^B(p - 6.11 \text{ mb } e^A)} \quad (1)$$

where p is the (total) air pressure (in mb) and the parameters A and B are given by

$$A = 17.269 T_d (T_d + 237.3 \text{ deg C})^{-1} \quad (2)$$

$$B = 17.269 T (T + 237.3 \text{ deg C})^{-1} \quad (3)$$

with T_d the dew-point temperature (in deg C) and T the air temperature (in deg C). The resulting relative humidity distribution at the surface is shown in Fig. 3.4.

The global distribution of average July sea-surface temperatures shown in Fig. 3.3 is based largely on the data contained in the National Center for Atmospheric Research (NCAR) publication of monthly averages (Washington and Thiel, 1970). The NCAR data, which apply between latitudes of 66°N and 66°S, were linearly extrapolated by 2.5° of latitude and longitude in the direction of land or ice (interpolated for small islands or narrow peninsulas) and then transferred to the present 4° latitude, 5° longitude grid by interpolation. Poleward of 66°N and 66°S, sea temperature and the distribution of sea ice were obtained from U.S. Navy Hydrographic Office atlases (1944, 1957, 1958). The grid elements containing more than 50 percent sea ice are denoted by "I" in Fig. 3.3. This convention introduces a bias toward more severe ice conditions. (For example, if 60 percent of an area contains ice of 60 percent concentration, only 36 percent of the area is actually covered by ice.) This practice may partly compensate for the usual bias in the data toward calm, warm weather and ice-free conditions when ships can operate. In high northern latitudes, we used August sea temperatures, which are slightly warmer than those for July.*

Cloudiness

The distribution of total cloud cover shown in Fig. 3.5A was constructed from the digitized representation of both satellite and conventional observations compiled by the Global Weather Central for the

*The U.S. Navy Hydrographic Office atlases for 1957 and 1958 show sea temperatures only for February, May, August, and November.

Environmental Technical Applications Center (1971). These data were collected at 0000Z and 1200Z, and were compiled for this presentation in terms of the total cloud cover C from the formula

$$C = \sum_{N=0}^8 \frac{C_{00,N} + C_{12,N}}{2} \frac{N}{8} \quad (4)$$

where $C_{00,N}$ and $C_{12,N}$ are the percentages of the 00Z and 12Z observations that have N -eighths cloud cover. These digitized cloud data appear on the GWC (Global Weather Central) grid. This is a square grid with octagonal boundaries superimposed on a polar stereographic projection, with a southern boundary at approximately 15°N . Equations from Scientific Services Technical Note #1 (1962) were used to transform the latitude and longitude of each of the 46×72 points of the present grid to the coordinates in the GWC grid, followed by a bilinear interpolation using the four nearest GWC grid values.

Since the northern-hemisphere data of Fig. 3.5A contain all modern cloud observations, during both day and night hours, they are considered the best available representation of northern-hemisphere total cloud cover. In an effort to obtain global coverage, however, Fig. 3.5B was constructed from a digitized representation of the sun-oriented TIROS data of Miller (1970) and Miller et al. (1970). These computer-rectified data give the mean daytime cloudiness at approximately 1400 local sun time. Since they compare favorably with the gross features in Fig. 3.5A associated with storm tracks, anticyclones, and the inter-tropical convergence zone, they are presented as an extension of these data into the southern hemisphere. At present, satellite observations do not discriminate effectively between clouds and highly reflective ground surfaces such as ice, snow, and desert. The Miller data therefore contain systematic errors when interpreted in terms of cloud cover. Nevertheless, they probably represent the best cloud-cover data now available for the southern hemisphere.

Precipitation

The global distribution of the *annual* precipitation shown in Fig. 3.6A, which was included in R-915-ARPA (Schutz and Gates, 1971), was based on the work of Lvovitch and Ovtchinnikov (1964), and remains a valuable source of information. It may provide a direct comparison with the June-July-August distribution or prove useful in future research in conjunction with Jacobs' (1968) seasonal (quarterly) apportionment of precipitation (Table 2.1) over the oceans.

The June-July-August distribution of global precipitation shown in Fig. 3.6B was obtained from visual interpolation of Möller's (1951) seasonal analysis to a 5° latitude, 5° longitude grid, followed by linear interpolation to the points of the present grid. Although Möller performed some empirical partitioning of the observed annual precipitation similar to that done by Jacobs (1968), they are apparently the only global seasonal distributions available.

Evaporation

The July mean surface evaporation shown in Fig. 3.7 was drawn from data interpolated from those of Budyko (1963). There are very few isopleths over the land in the northern hemisphere, since there the evaporation is generally less than 1.0 mm per day. The rapid increase of evaporation over the oceans, however, produces a packing of the isopleths, especially along the eastern coasts of the continents. In mountainous areas in both hemispheres, the evaporation isopleths are interrupted by a lack of data.

Albedo

The values of mean *surface* albedo for July shown in Fig. 3.8A were transcribed directly onto the 4° latitude, 5° longitude grid from the data of Posey and Clapp (1964). These data show the measured July albedo for various types and amounts of ground cover, and include the latitudinal variations of solar angle over the oceans.

Table 2.1
SEASONAL APPORTIONMENT OF PRECIPITATION PER SEASON BY 10° LATITUDE ZONES
(percent)

Latitude	Atlantic Ocean				Pacific Ocean				Indian Ocean			
	Dec. Jan. Feb.	March April May	June July Aug.	Sept. Oct. Nov.	Dec. Jan. Feb.	March April May	June July Aug.	Sept. Oct. Nov.	Dec. Jan. Feb.	March April May	June July Aug.	Sept. Oct. Nov.
50°-60°N	28	23	21	28	20	22	25	33	--	--	--	--
40°-50°N	31	23	20	26	25	24	23		--	--	--	--
30°-40°N	33	26	16	25	31	27	21	21	--	--	--	--
20°-30°N	27	20	22	31	29	24	25	22	13	6	57	24
10°-20°N	25	15	31	29	18	19	32	31	10	12	46	32
0°-10°N	22	25	29	24	24	24	27	25	22	20	28	30
0°-10°S	28	38	17	17	33	23	26	18	27	22	25	26
10°-20°S	22	22	36	20	32	22	23	23	30	27	25	18
20°-30°S	23	28	23	26	24	27	27	22	24	31	30	15
30°-40°S	18	25	33	24	18	26	32	24	17	25	34	24
40°-50°S	20	26	30	24	22	26	28	24	22	26	28	24
50°-60°S	26	28	26	20	24	29	22	25	--	--	--	--

SOURCE: W. C. Jacobs (1968).

Radiation and Heat Balance

The July solar radiation received at the earth's surface, shown in Fig. 3.8B, was interpolated onto the 4° latitude, 5° longitude grid from the data of Budyko (1963). The breaks in the isopleths over land are caused by the mountainous areas, for which no radiation data were available.

The July surface radiation balance shown in Fig. 3.9 and the surface sensible heat flux shown in Fig. 3.10 are also based on interpolations from the data of Budyko (1963), and, like Fig. 3.8B, show a lack of data in mountainous and polar regions. The distribution of the July surface heat balance shown in Fig. 3.11 was constructed by subtracting the interpolated data for the surface sensible heat flux (Fig. 3.10); the distribution of the heat lost by surface evaporation (proportional to the data of Fig. 3.7) was derived from the data for the surface radiation balance (Fig. 3.9). This latter quantity is itself the excess of the solar radiation absorbed at the surface over the net long-wave radiation lost by the surface.

UPPER-AIR DATA

Temperature and Relative Humidity

The values for the free-air temperature and the dew point represent unsmoothed information drawn from data used in the two NAVAIR publications by Crutcher and Meserve (1970) and Taljaard et al. (1969) mentioned above. Specifically, the July mean temperature at 800 mb, as shown in Fig. 3.12, was computed by linear interpolation from the data for 850 mb and 700 mb. The 400-mb July temperature distribution shown in Fig. 3.13 was constructed by a similar interpolation between the data at 500 mb and 300 mb. The resulting 800-mb and 400-mb data were then interpolated horizontally to the 4° latitude, 5° longitude grid.

The relative humidity distribution for 800 mb shown in Fig. 3.14 was computed from the dew point and pressure according to Eqs. (1) through (3), where the 800-mb dew point was itself found from linear interpolation between the taped dew-point data for 850 mb and 700 mb.

Height

The heights for the 800-mb and 400-mb surfaces shown in Figs. 3.13 and 3.20 were found from the heights of the 850-mb and 500-mb surfaces, respectively, as well as from the values of the temperature at 850 mb, 700 mb, 500 mb, and 300 mb, as shown below. If \bar{T} is an average temperature, the height of an isobaric surface z relative to that at a reference surface z_0 may be written from an integration of the hydrostatic equation as

$$z - z_0 = \frac{R\bar{T}}{g} \ln (p_0/p) \quad (5)$$

where R is the gas constant, g the acceleration of gravity, and p_0 the reference isobaric surface. Selecting 850 mb and 500 mb as reference surfaces, we then have for the 800-mb and 400-mb heights the relations

$$z_{800} = z_{850} + 1.480 \text{ m deg}^{-1} T_{850} + 0.296 \text{ m deg}^{-1} T_{700} + 484.9 \text{ m} \quad (6)$$

$$z_{400} = z_{500} + 4.843 \text{ m deg}^{-1} T_{500} + 1.695 \text{ m deg}^{-1} T_{300} + 1784.9 \text{ m} \quad (7)$$

Here the subscripts denote evaluation at pressure surfaces and the temperatures are in degrees Centigrade [with the last terms representing the conversion to degrees Kelvin as in Eq. (5)]. Specifically, the mean temperature between 850 mb and 800 mb has been written as

$$\left(\frac{5}{6} T_{850} + \frac{1}{6} T_{700} \right)$$

and the mean temperature between 500 mb and 400 mb as

$$\left(\frac{3}{4} T_{500} + \frac{1}{4} T_{300} \right)$$

corresponding to the assumption of a temperature distribution linear in pressure between 850 mb and 700 mb and between 500 mb and 300 mb, respectively.

Winds

The distribution of the observed winds at 800 mb and 400 mb shown in Figs. 3.15, 3.16, 3.21, and 3.22 were obtained by interpolation from the data published by Crutcher (1961) in the form of July mean cross sections at every 10° longitude, with subsequent linear interpolation to the present grid. These data are given for the northern hemisphere only, in view of the scarcity of even seasonally averaged wind data in the southern hemisphere. To alleviate this absence of data, the average July geostrophic winds at both 800 mb and 400 mb were computed for the globe from the data of Crutcher and Meserve (1970) and Taljaard et al. (1969), and are shown in Figs. 3.17, 3.18, 3.23, and 3.24. It may be noted that the observed and geostrophic winds agree well in the northern hemisphere at both the 800-mb and 400-mb levels.

The wind in the Mintz-Arakawa model is computed on a "u,v grid" whose points are centered within the primary or pressure grid used for the other calculations. Values at the u,v grid points were found through a bilinear interpolation of the source data, so that the first value falls at 88°N , 177.5°W , rather than at 90°N , 180°W . Because of this staggered wind grid, the maps of the zonal and meridional wind components should be offset 2 deg south and 2.5 deg east of the indicated grid. The latitude marked 90°N thus indicates 88°N in Figs. 3.15 through 3.18, 3.21 through 3.24, 4.15 through 4.18, and 4.21 through 4.24; there is no wind defined at the latitude marked 90°S .

3. GLOBAL CLIMATIC ANALYSES

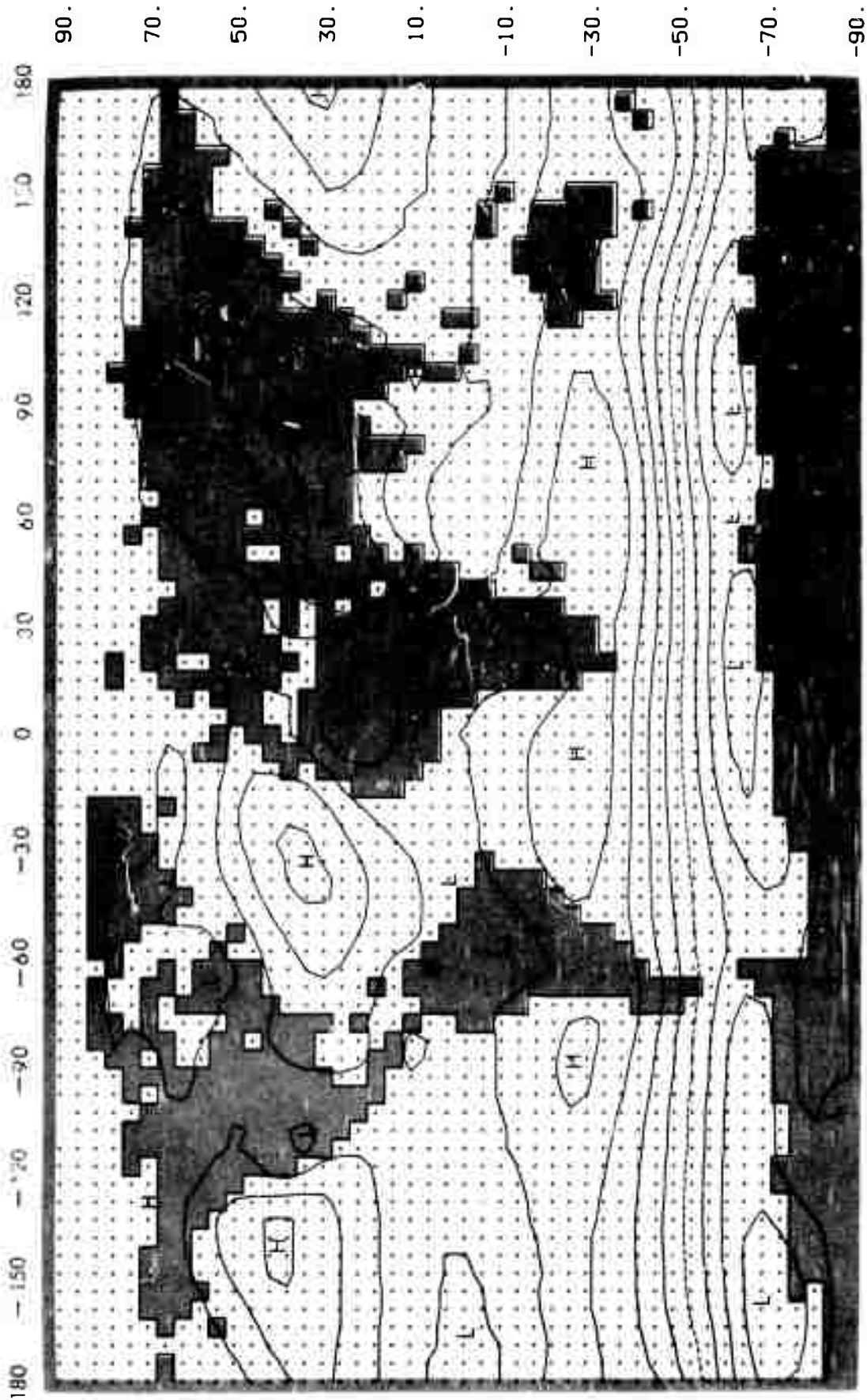


Fig. 3.1--July mean sea-level pressure in mb. The analysis interval is 5 mb and the 1000 mb isobar is dashed. Reduced from data of Crutcher and Meserve (1970) and Taljaard et al. (1969).



Fig. 3.2--July mean surface air temperature in deg C. The analysis interval is 5 deg and the 0 deg C isotherm is dashed. Reduced from data of Crutcher and Meserve (1970) and Taljaard et al. (1969).

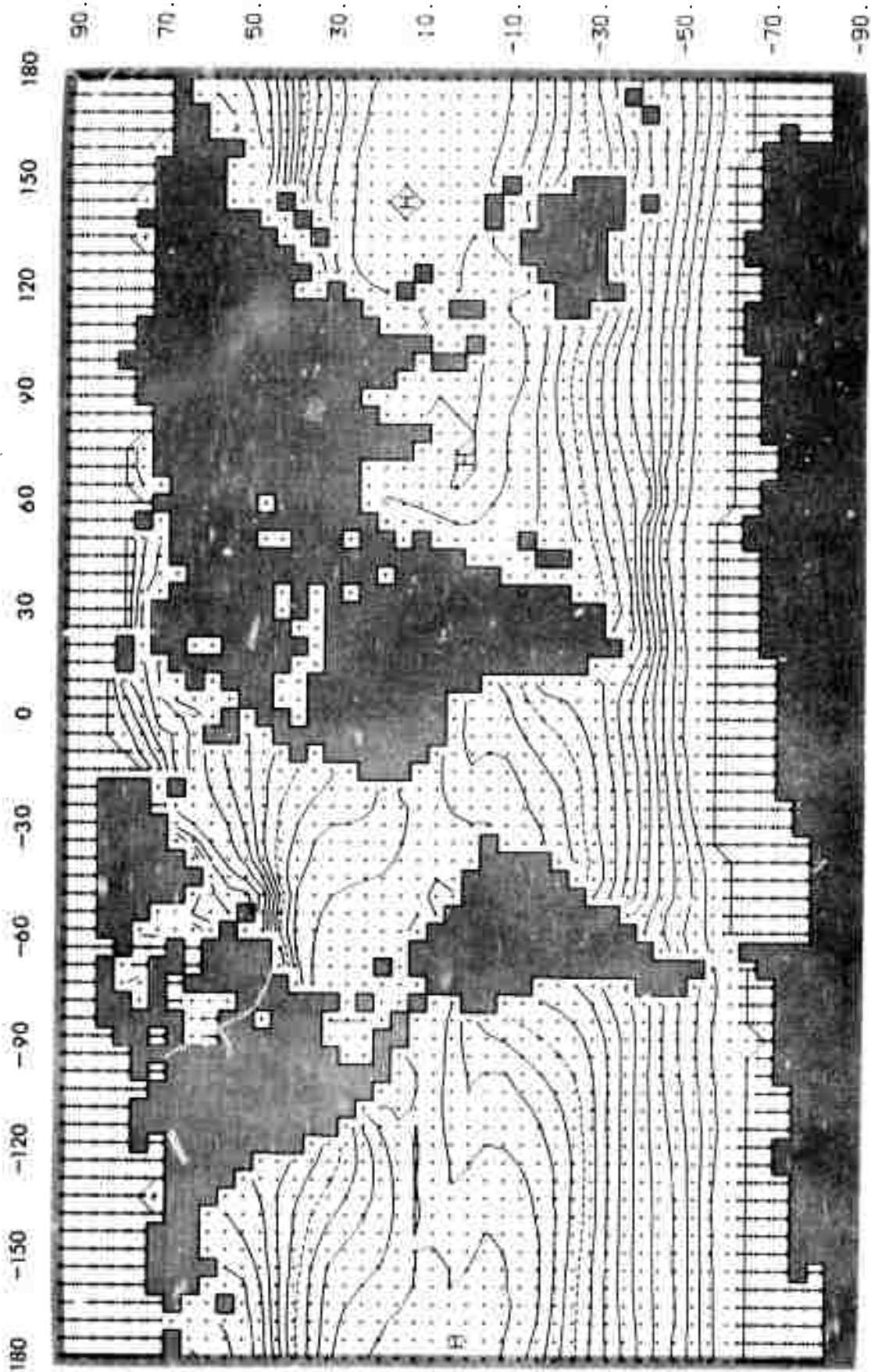


Fig. 3.3--July mean sea-surface temperature in deg C. The analysis interval is 2 deg and the 20 deg C isotherm is dashed. "I" denotes grid elements with sea ice. Reduced from data of Washington and Thiel (1970) and in the U.S. Navy Hydrographic Office atlases (1944, 1957, and 1958).

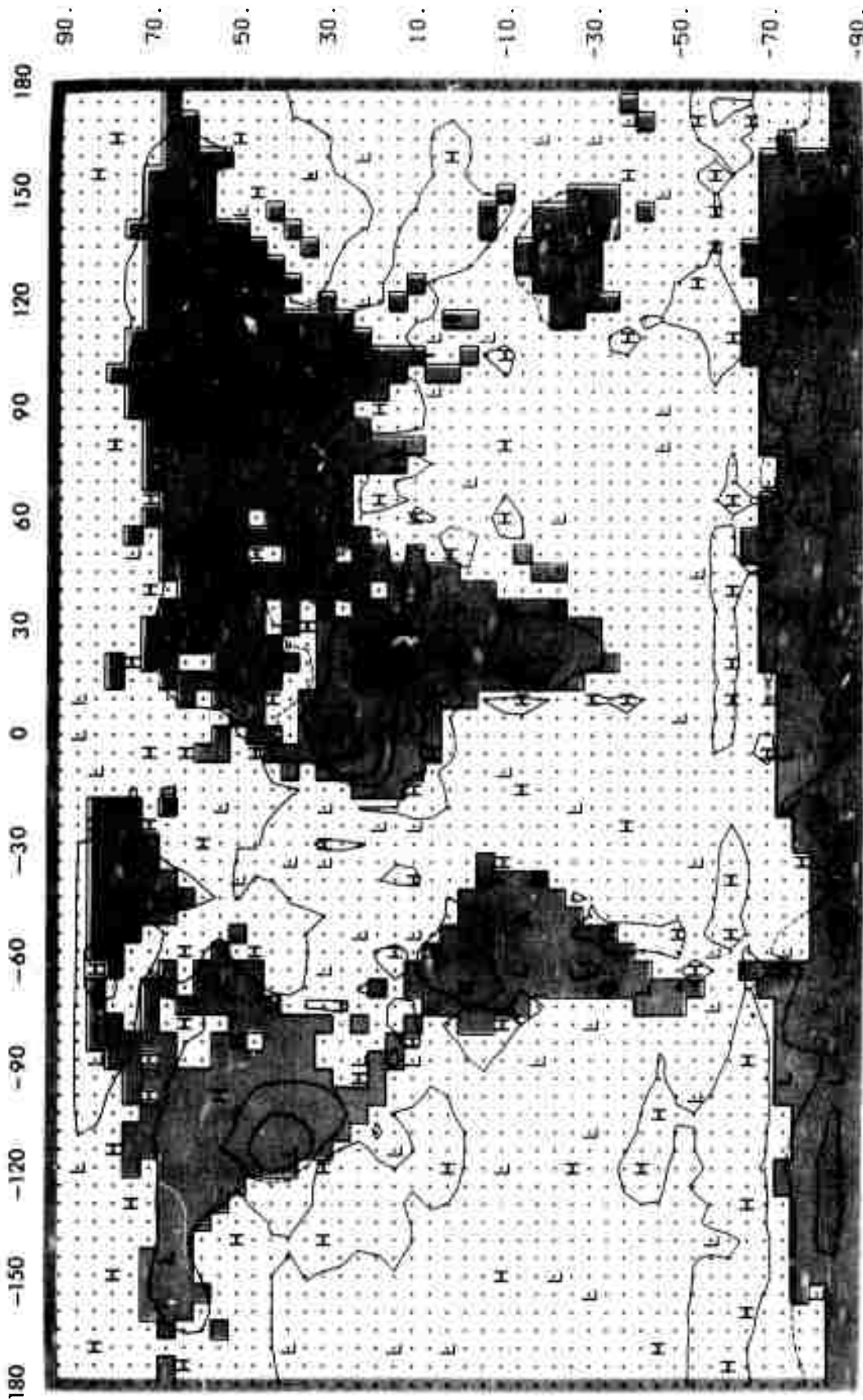


Fig. 3.4--July mean surface relative humidity in percent. The analysis interval is 20 percent and the 60 percent isoline is dashed. Computed from dew point data of Crutcher and Meserve (1970) and Taljaard et al. (1969).

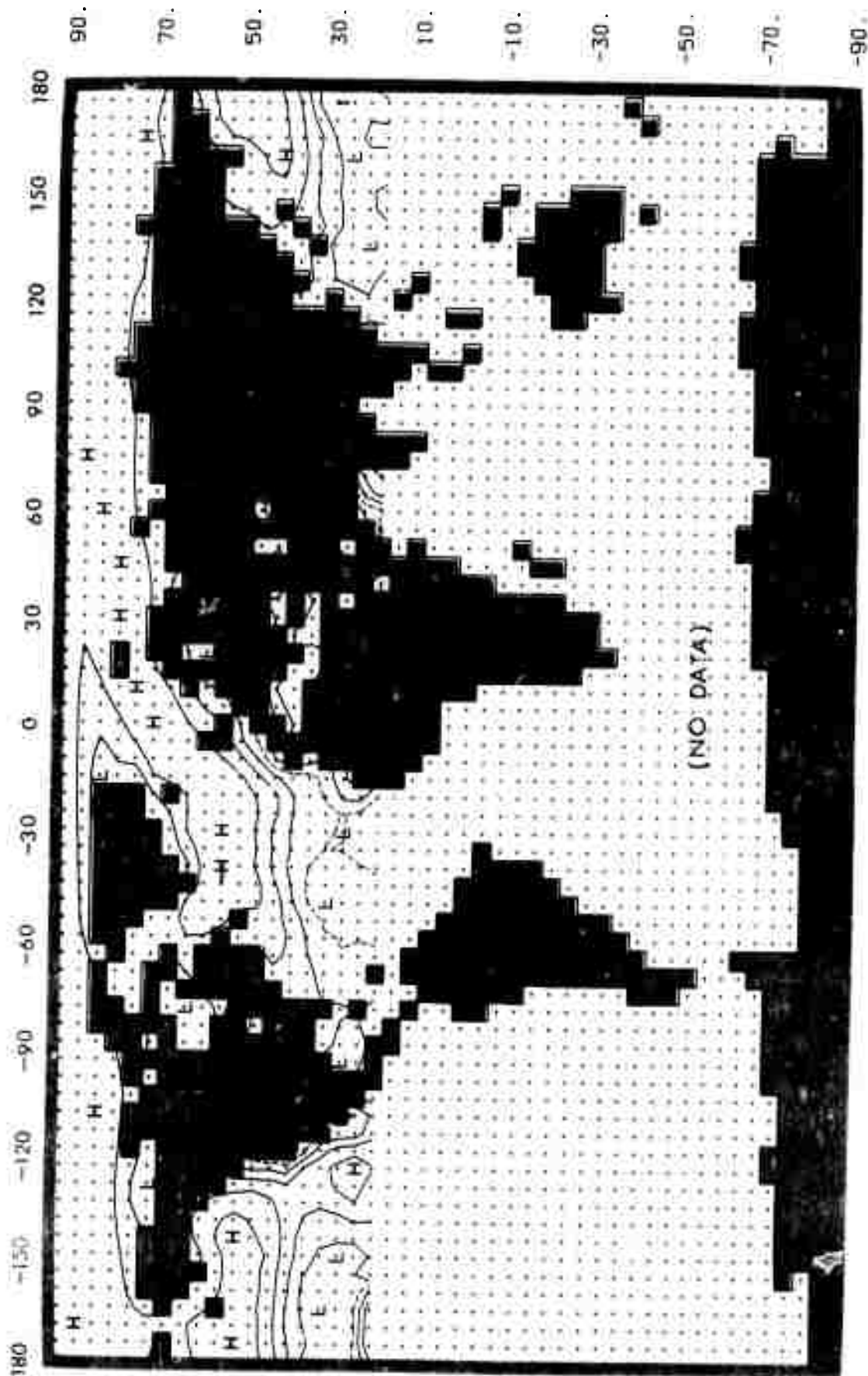


Fig. 3.5A--July mean total cloud cover (northern hemisphere only) in tenths of the sky covered. The analysis interval is 0.1 and the 0.5 isoline is dashed. Prepared from data from the Environmental Technical Applications Center (1971).

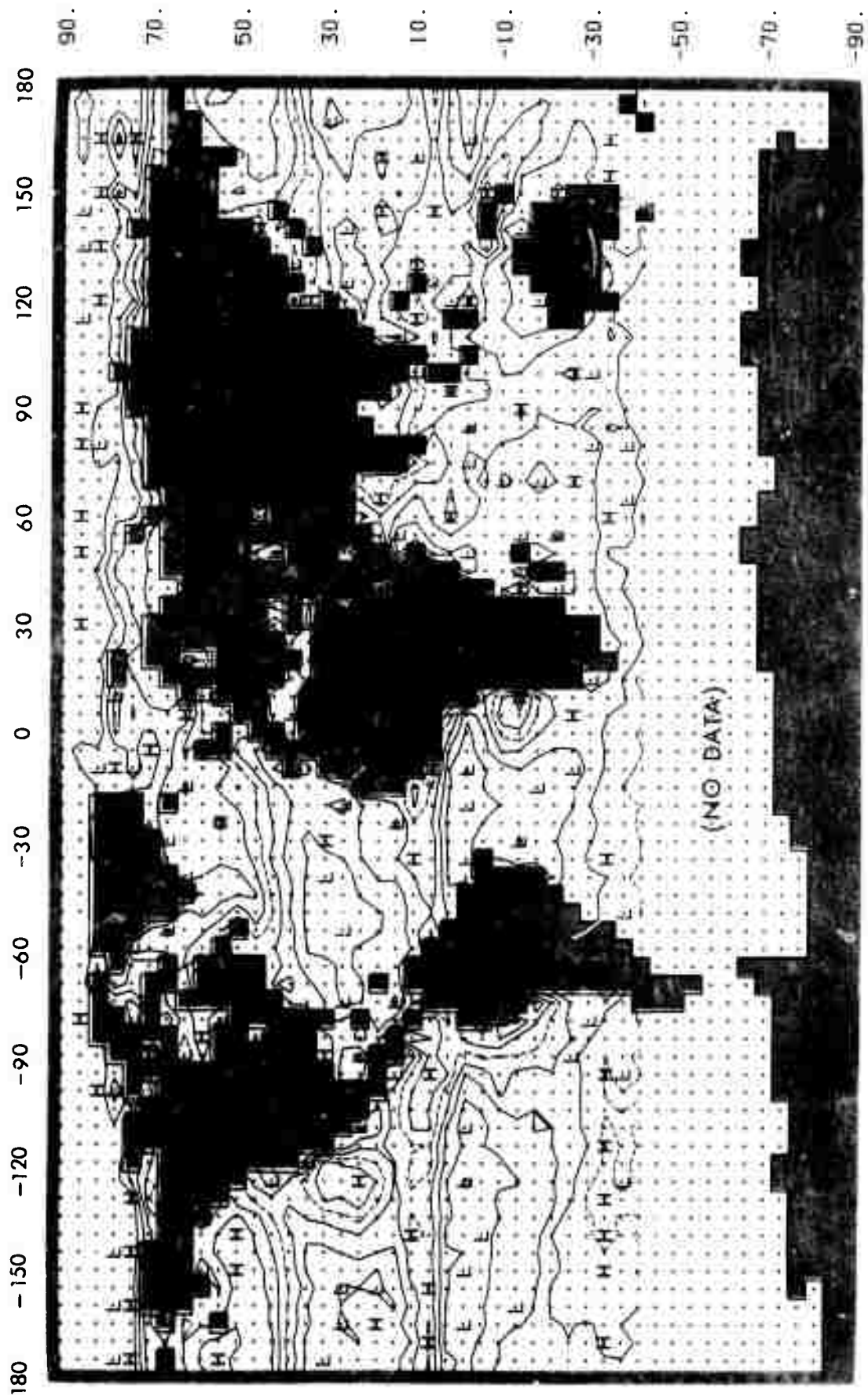


Fig. 3.5B--July mean total cloud cover in tenths of the sky covered. The analysis interval is 0.1 and the 0.5 isoline is dashed. Reduced from data of Miller et al. (1970).

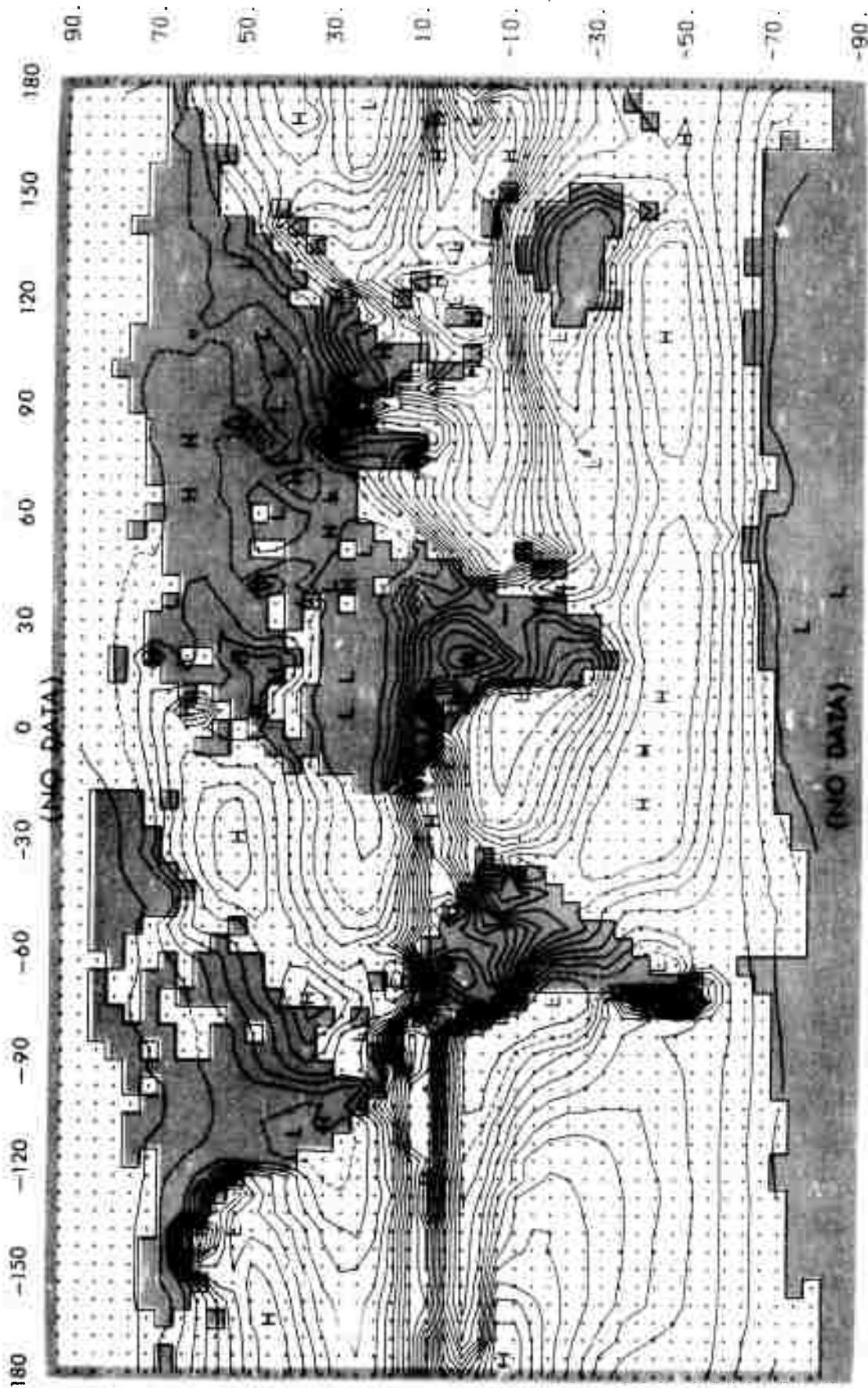


Fig. 3.6A--Mean *annual* precipitation in mm/day. The analysis interval is 0.5 mm and the 1.0 mm isoline is dashed. Data are from Lvovitch and Ovtchinnikov (1964).

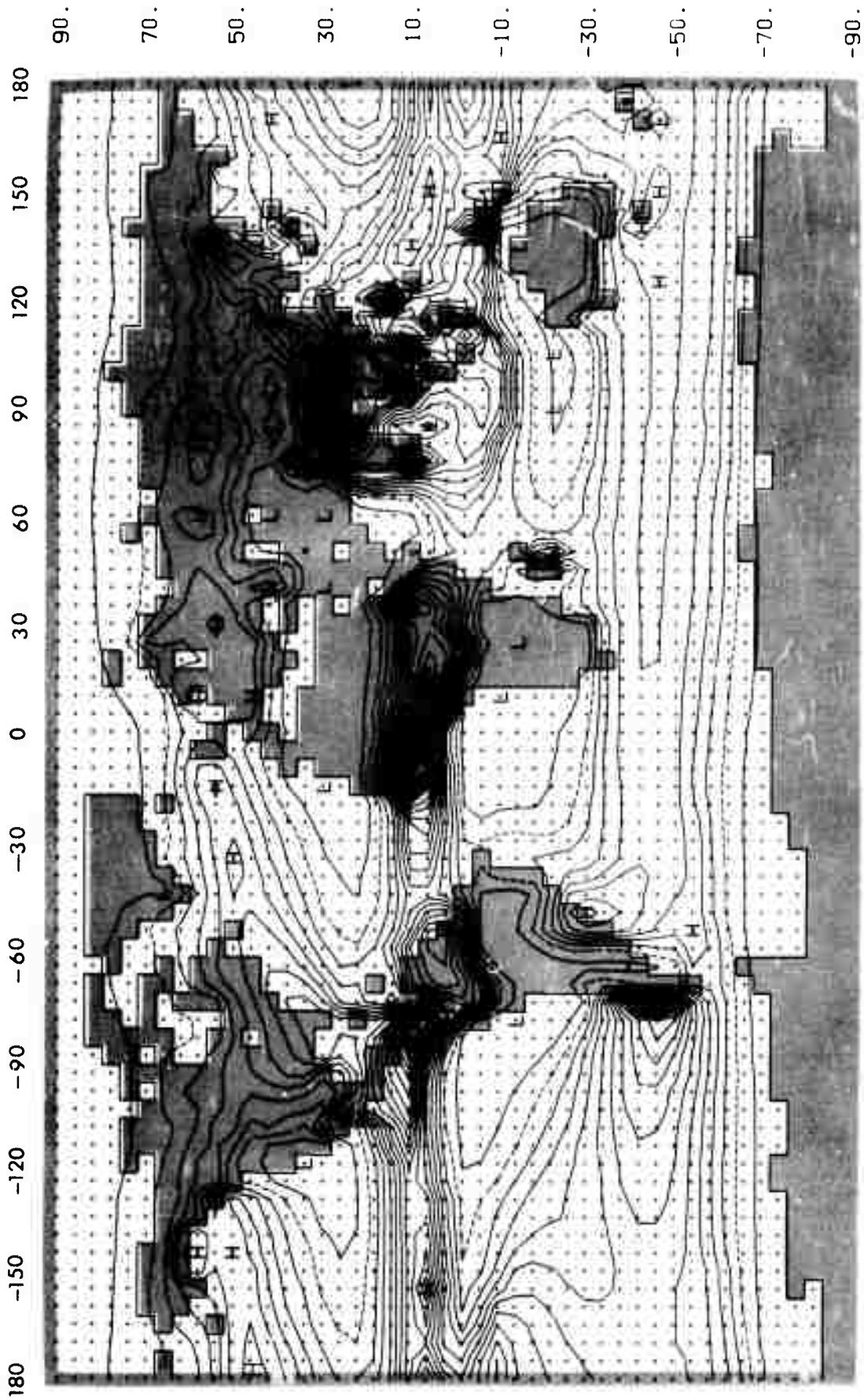


Fig. 3.6B--June-July-August mean precipitation in mm/day. The analysis interval is 1.0 mm and the 2.0-mm isoline is dashed. Data are from Möller (1951).

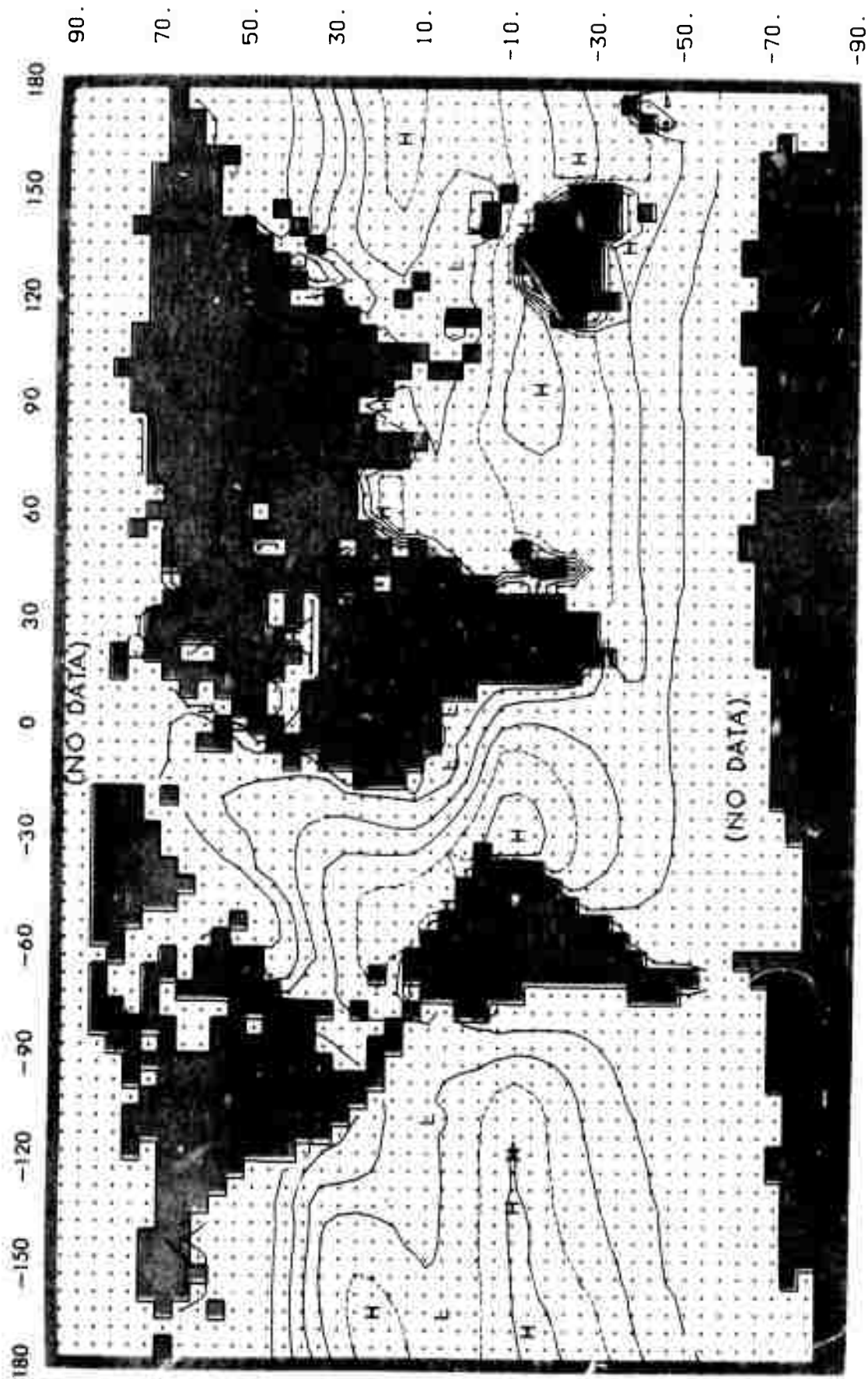


Fig. 3.7--July mean surface evaporation in mm/day. The analysis interval is 1.0 mm and the 5.0 mm isoline is dashed. Data are from Budyko (1963).



Fig. 3.8A--July mean *surface* albedo, in fractions. The analysis interval is 0.1 and the 0.1 isoline is dashed. Data are from Posey and Clapp (1964).

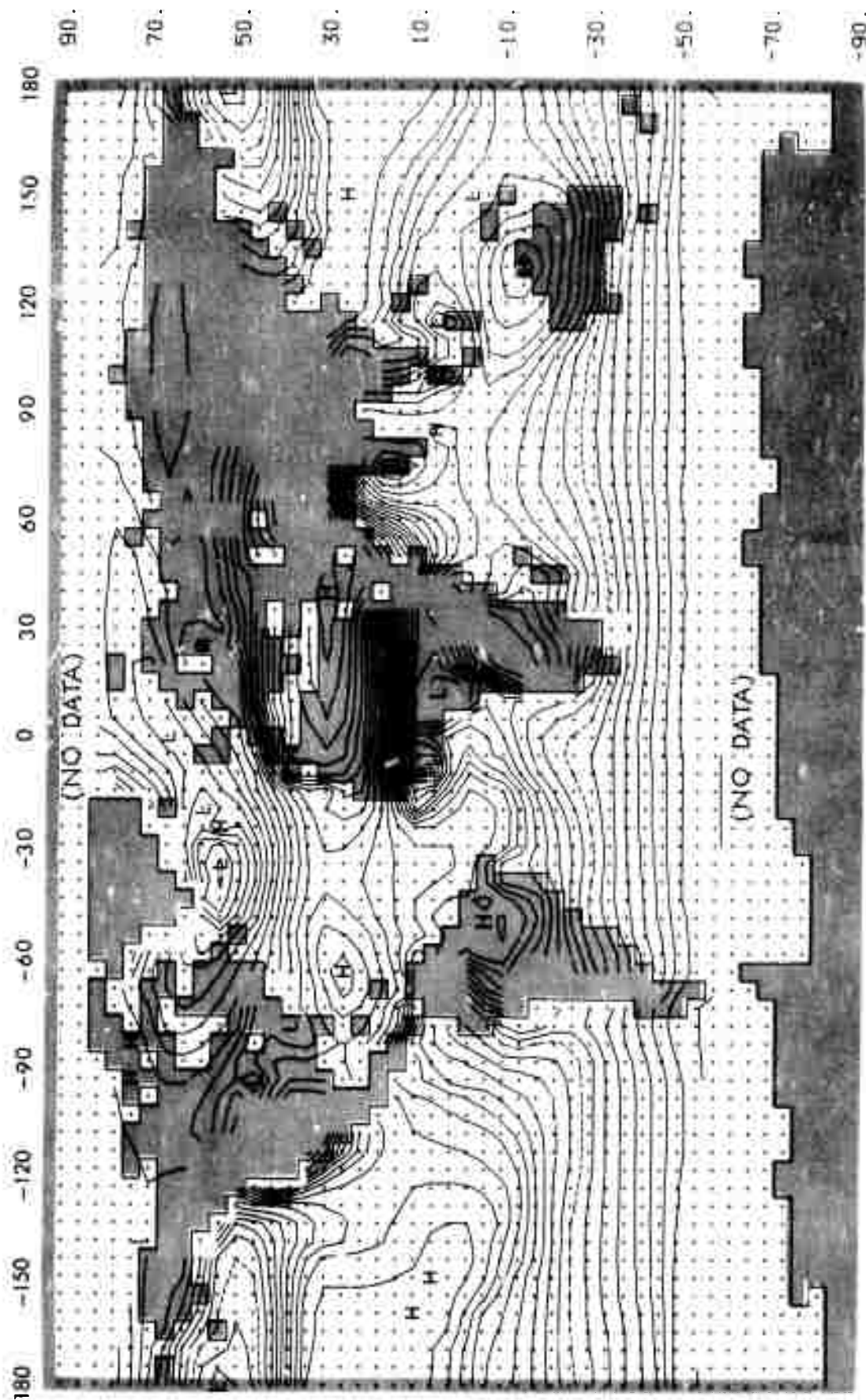


Fig. 3.8B---July mean solar radiation received at the surface in 10^2 ly/day. The analysis interval is 25 ly/day and the 250 ly/day isoline is dashed. Data are from Budyko (1963).

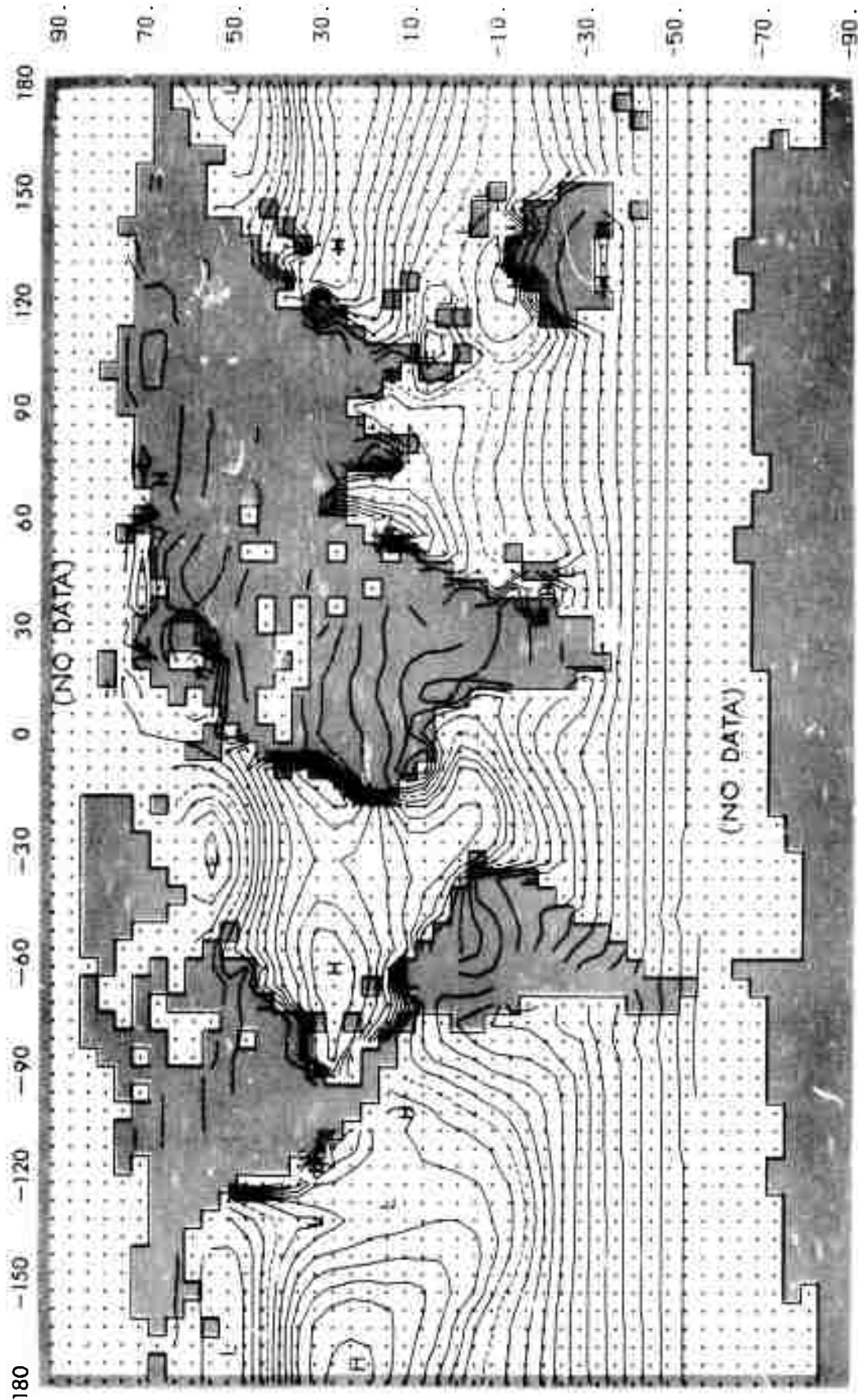


Fig. 3.9---July mean radiation balance at the surface in 10^2 ly/day. The analysis interval is 25 ly/day and the 250 ly/day isoline is dashed. A positive value denotes a short-wave energy surplus. Data are from Budyko (1963).

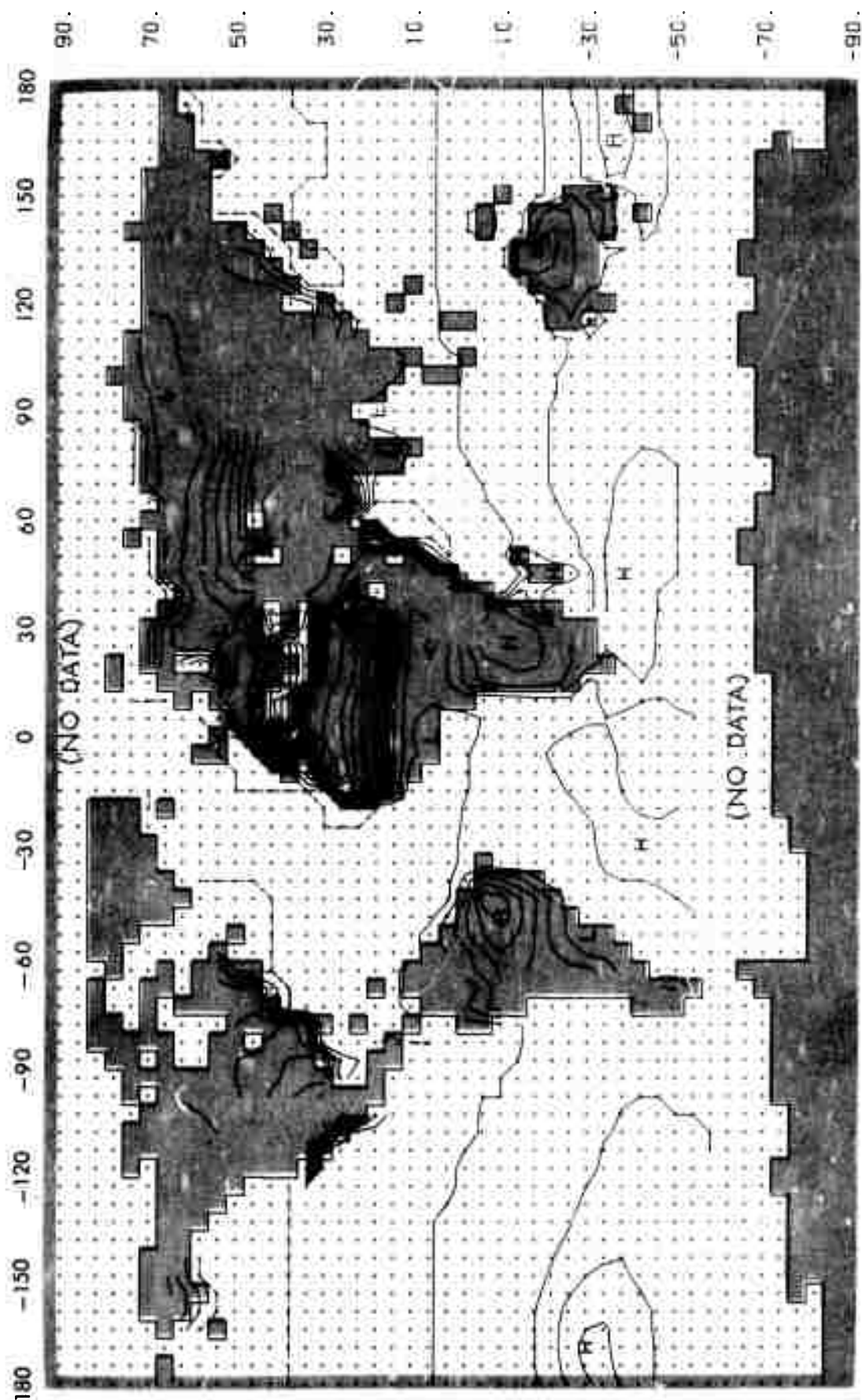


Fig. 3.10--July mean sensible heat flux at the surface in 10 ly/day. The analysis interval is 20 ly/day and the 0 isoline is dashed. A positive value denotes an upward flux. Data are from Budyko (1963).

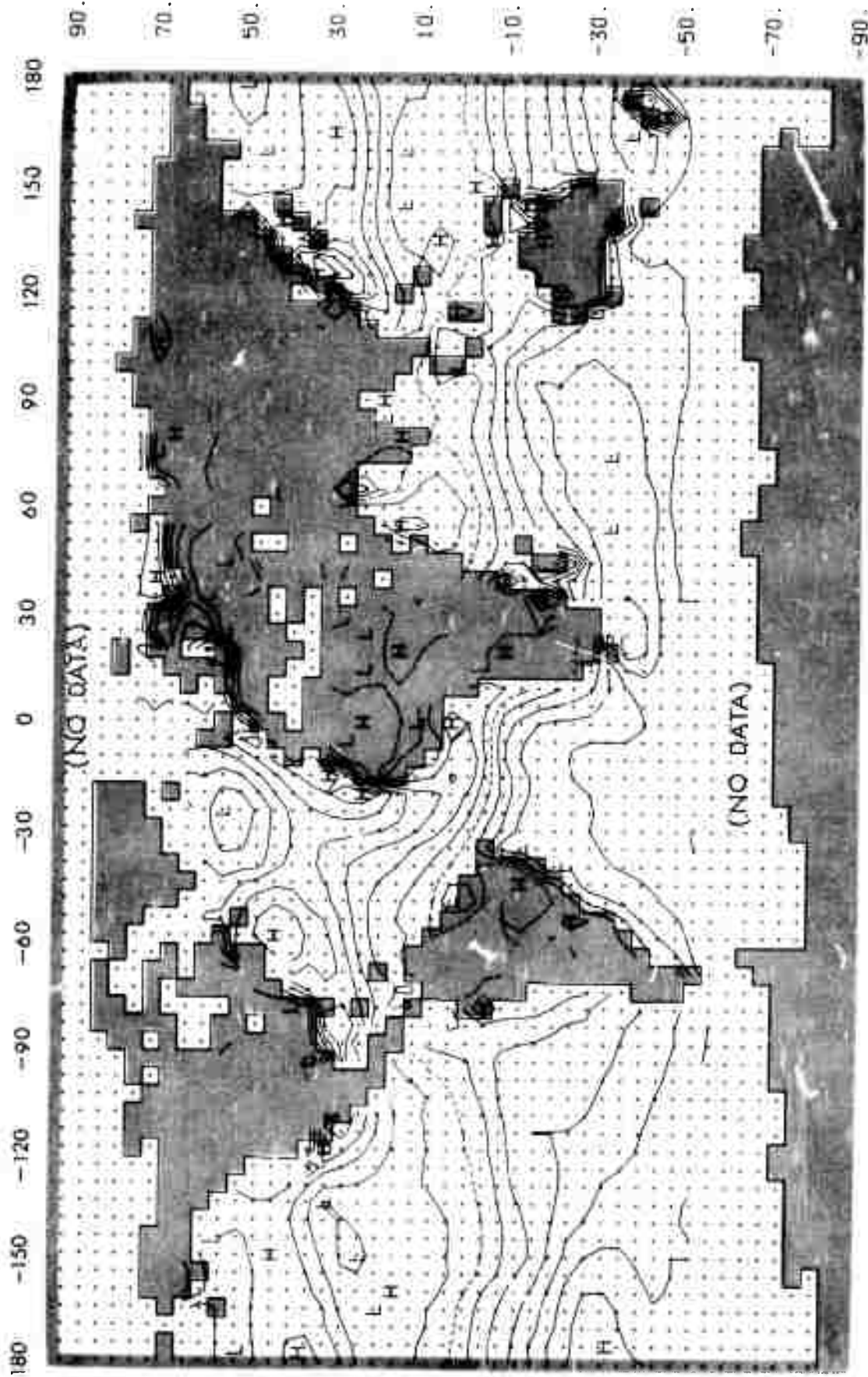


Fig. 3.11--July mean total heat balance at the surface in 10^2 ly/day. The analysis interval is 50 ly/day and the 0 isoline is dashed. A positive value denotes a radiation heat surplus over the losses due to sensible heat flux and evaporation. Data are from Budyko (1963).

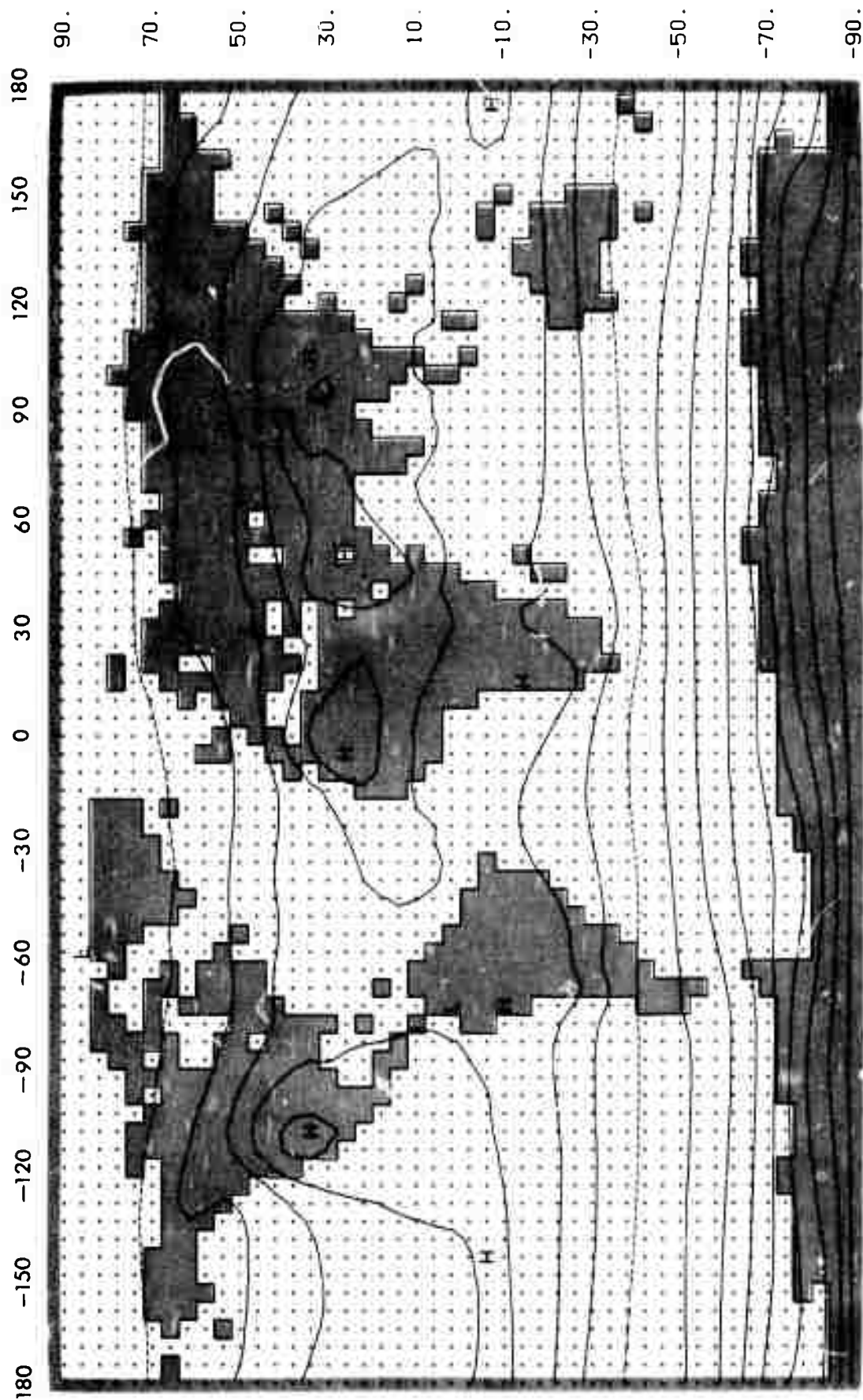


Fig. 3.12--July mean temperature at 800 mb in deg C. The analysis interval is 5 deg C and the 0 deg C isotherm is dashed. Reduced from data of Crutcher and Meserve (1970) and Taljaard et al. (1969).

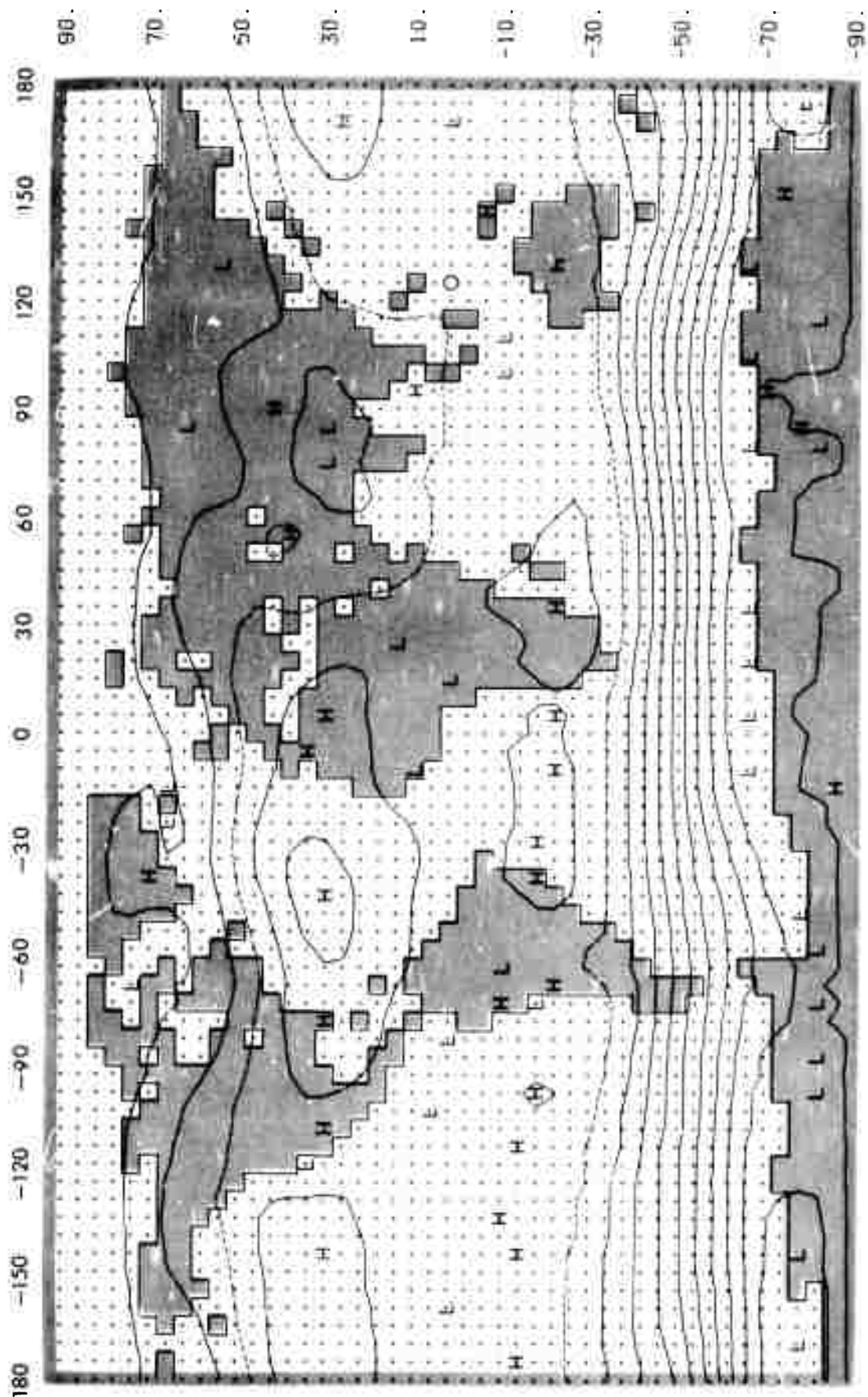


Fig. 3.13--July mean geopotential height at 800 mb in 10^2 m. The analysis interval is 50 m and the 2000 m contour is dashed. Reduced from data of Crutcher and Meserve (1970) and Taljaard et al. (1969).



Fig. 3.14--July mean relative humidity at 800 mb in percent. The analysis interval is 10 percent and the 60 percent isoline is dashed. Computed from dew-point data of Crutcher and Meserve (1970) and Taljaard et al. (1969).

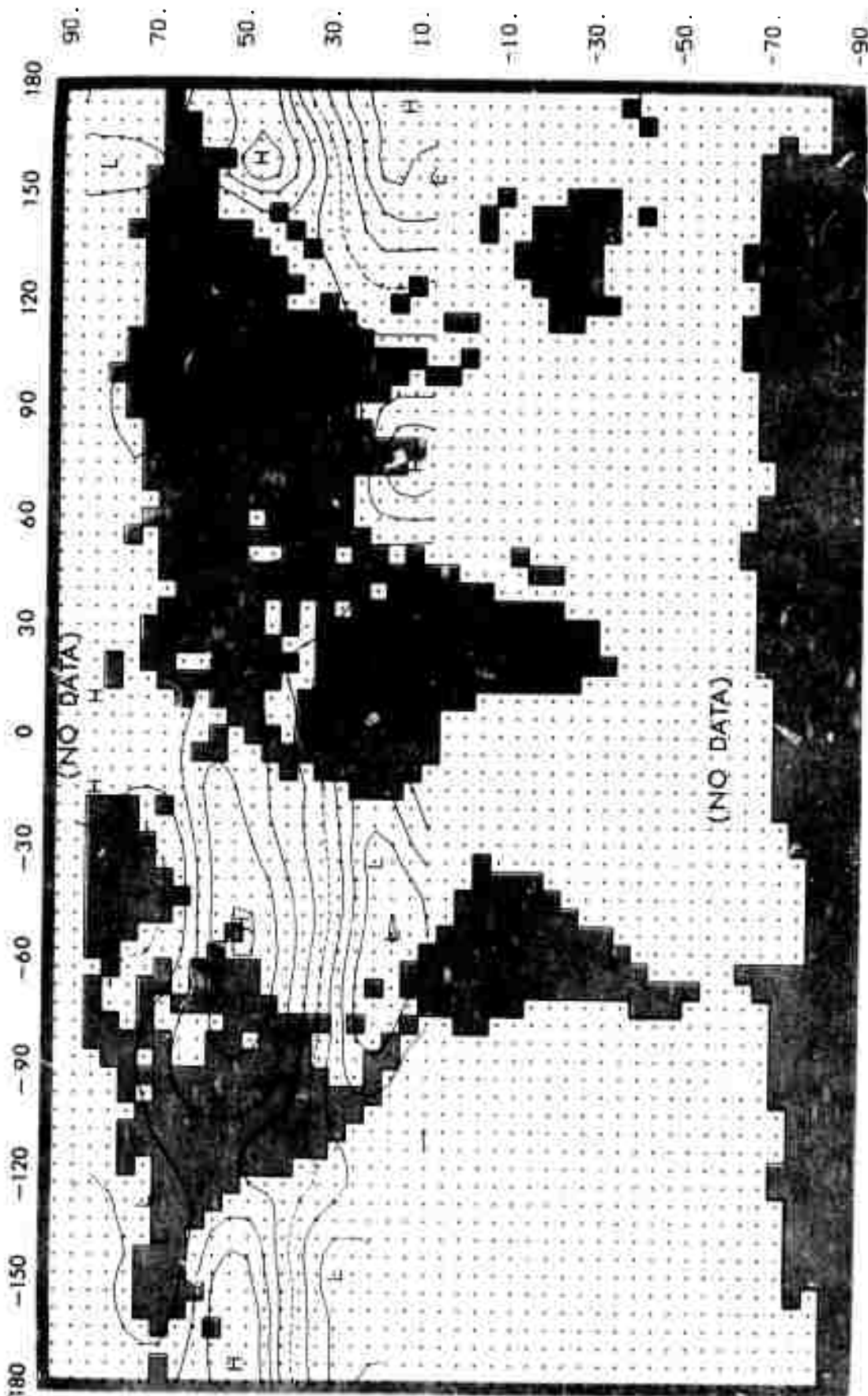


Fig. 3.15---June-July-August mean zonal wind at 800 mb (northern hemisphere only) in m sec^{-1} . The analysis interval is 2.0 m sec^{-1} , and the 0.0 m sec^{-1} isoline is dashed. A positive value denotes wind *toward* the east. Data are from the cross sections of Crutcher (1961).

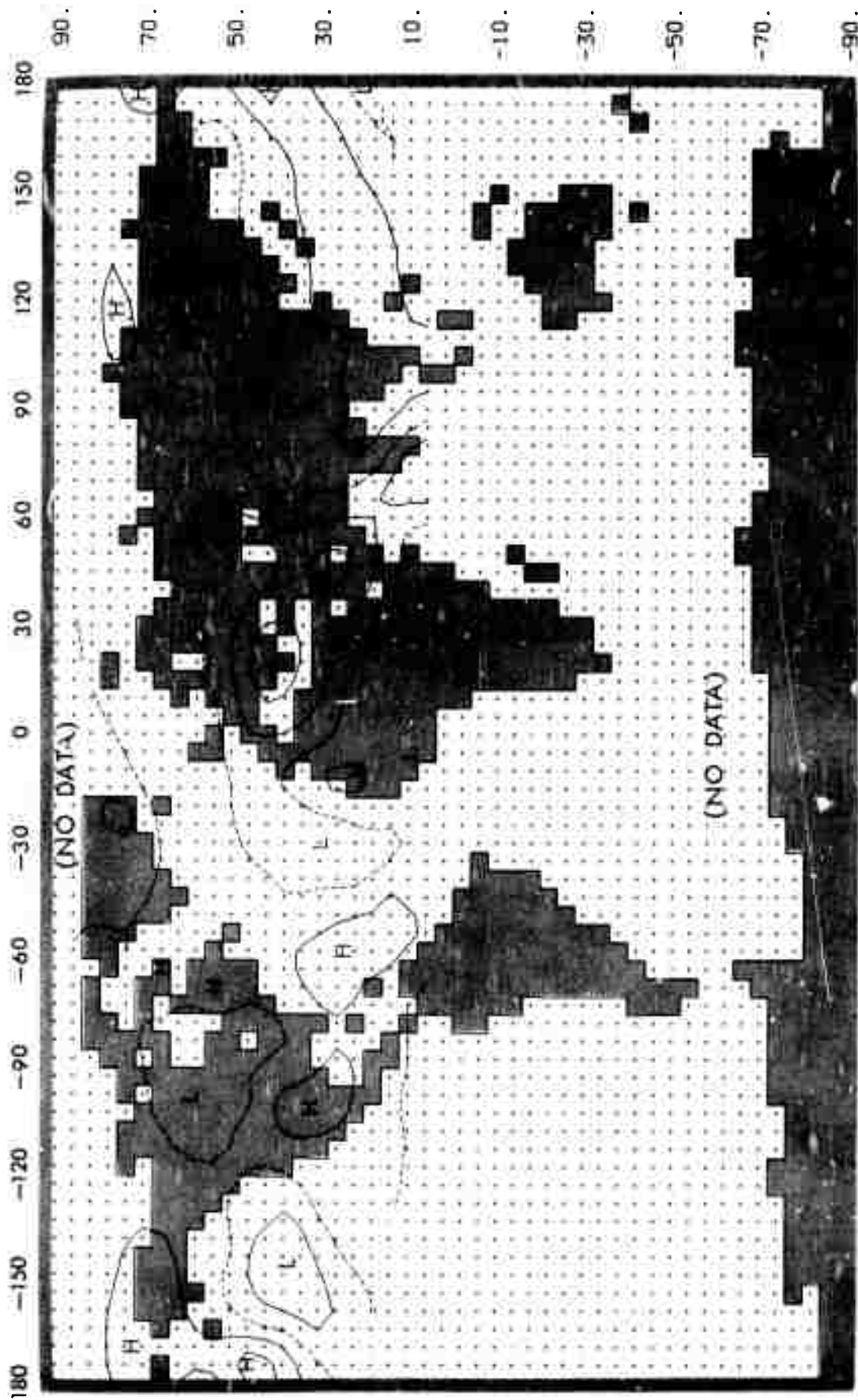


Fig. 3.16--June-July-August mean meridional wind at 800 mb (northern hemisphere only) in m sec^{-1} . The analysis interval is 2.0 m sec^{-1} and the 0 isoline is dashed. A positive value denotes wind *toward* the north. Data are from the cross sections of Crutcher (1961).

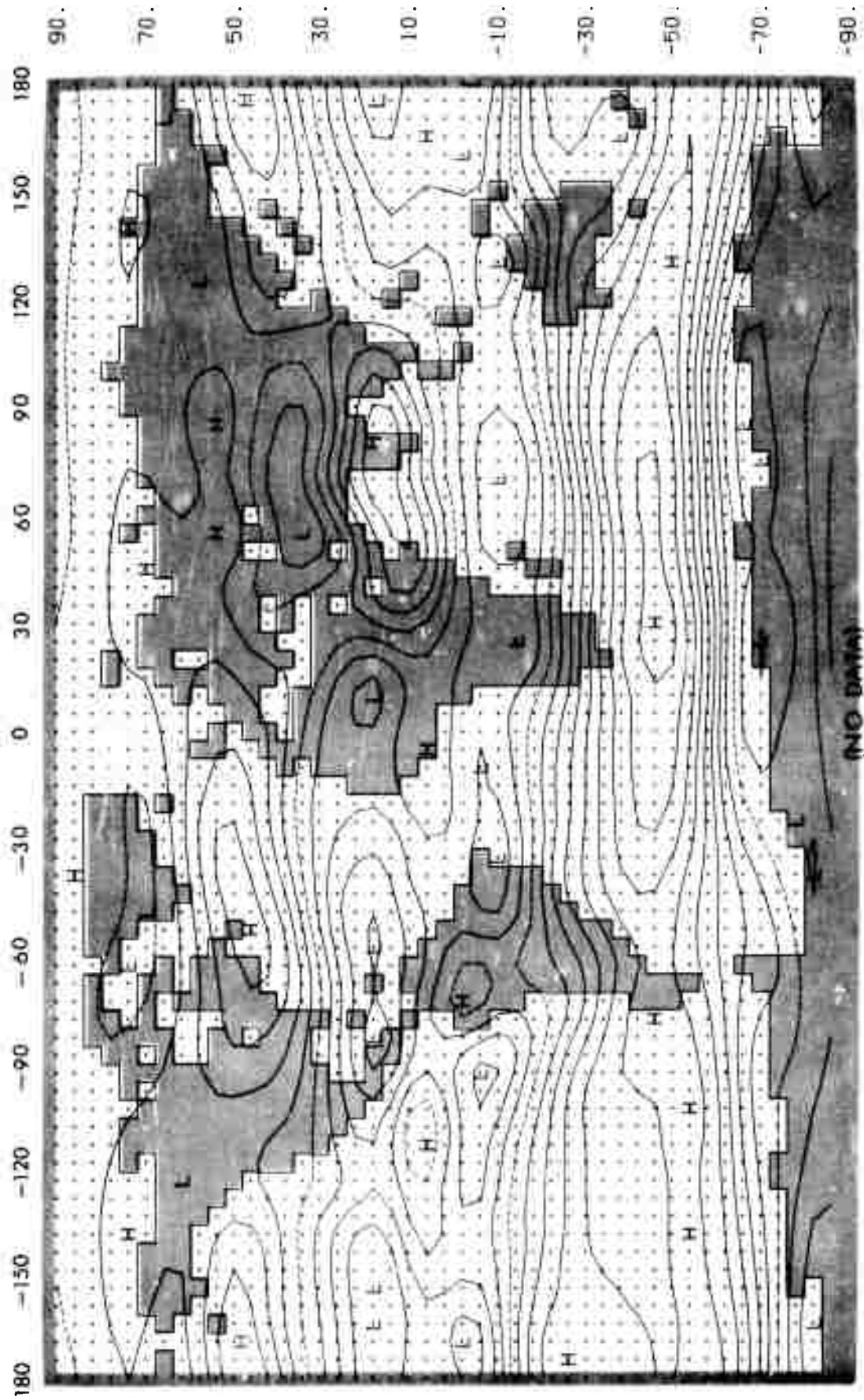


Fig. 3.17--July mean zonal geostrophic wind at 800 mb in m sec^{-1} . The analysis interval is 2.0 m sec^{-1} and the 0 isoline is dashed. A positive value denotes wind *toward* the east. Reduced from data of Crutcher and Meserve (1970) and Taljaard et al. (1969).



Fig. 3.18--July mean meridional geostrophic wind at 800 mb in m sec^{-1} . The analysis interval is 2.0 m sec^{-1} and the 0 isoline is dashed. A positive value denotes wind toward the north. Reduced from data of Crutcher and Meserve (1970) and Taljaard et al. (1969).

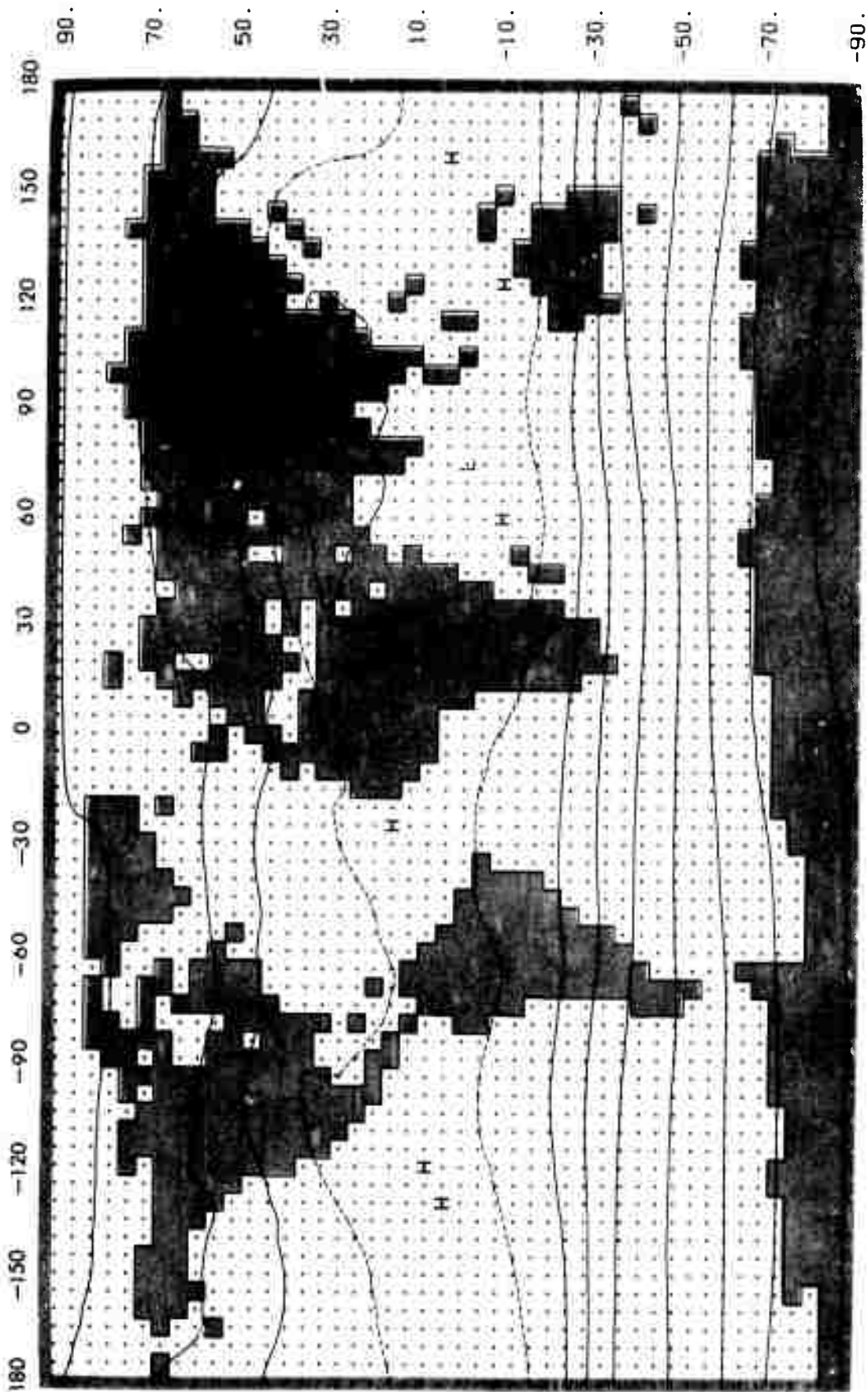


Fig. 3.19--July mean temperature at 400 mb in deg C. The analysis interval is 5 deg C and the -20 deg C isotherm is dashed. Reduced from data of Crutcher and Meserve (1970) and Taljaard et al. (1969).

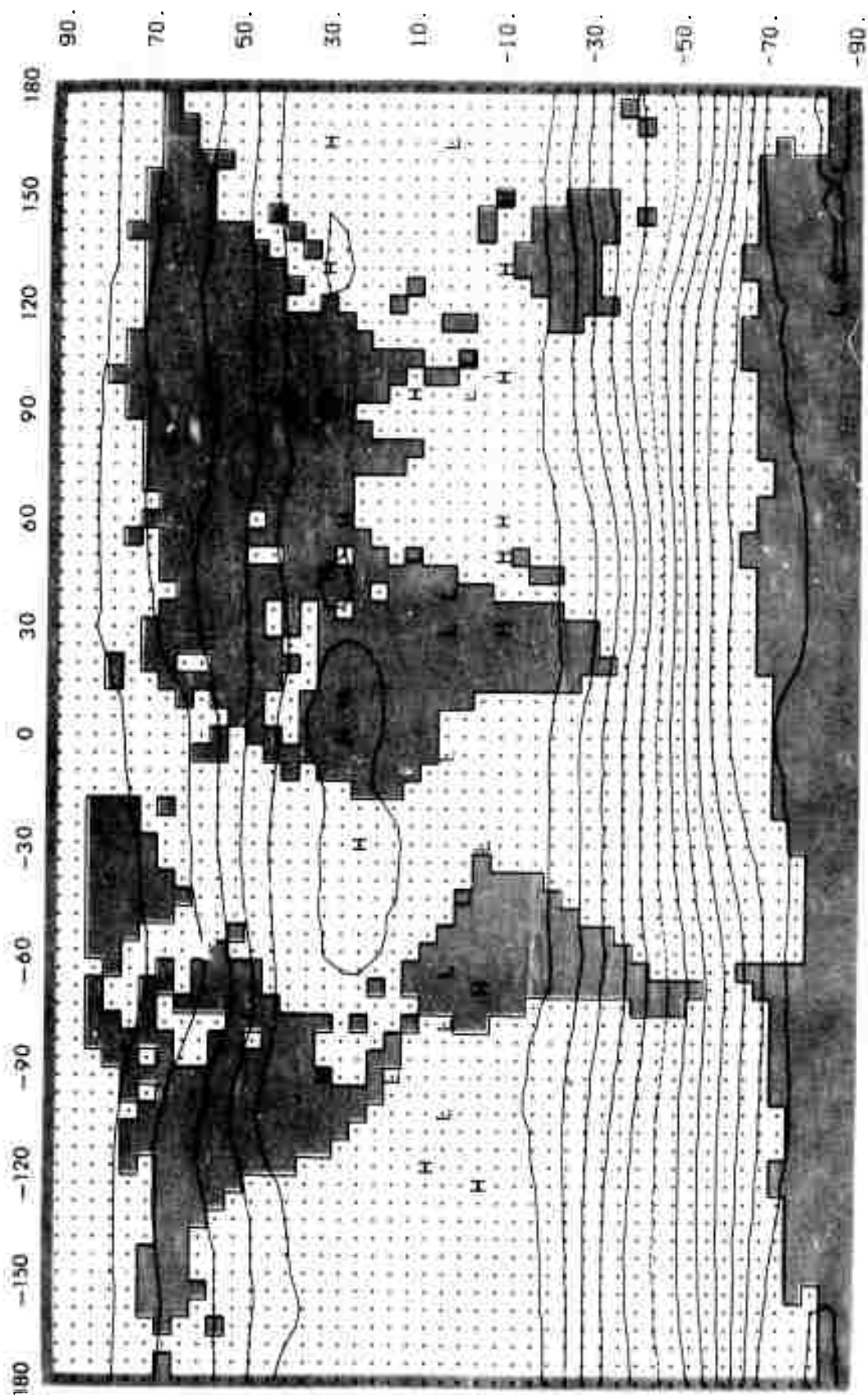


Fig. 3.20--July mean geopotential height at 400 mb in 10^2 m. The analysis interval is 100 m and the 7000 m contour is dashed. Reduced from data of Crutcher and Meserve (1970) and Taljaard et al. (1969).

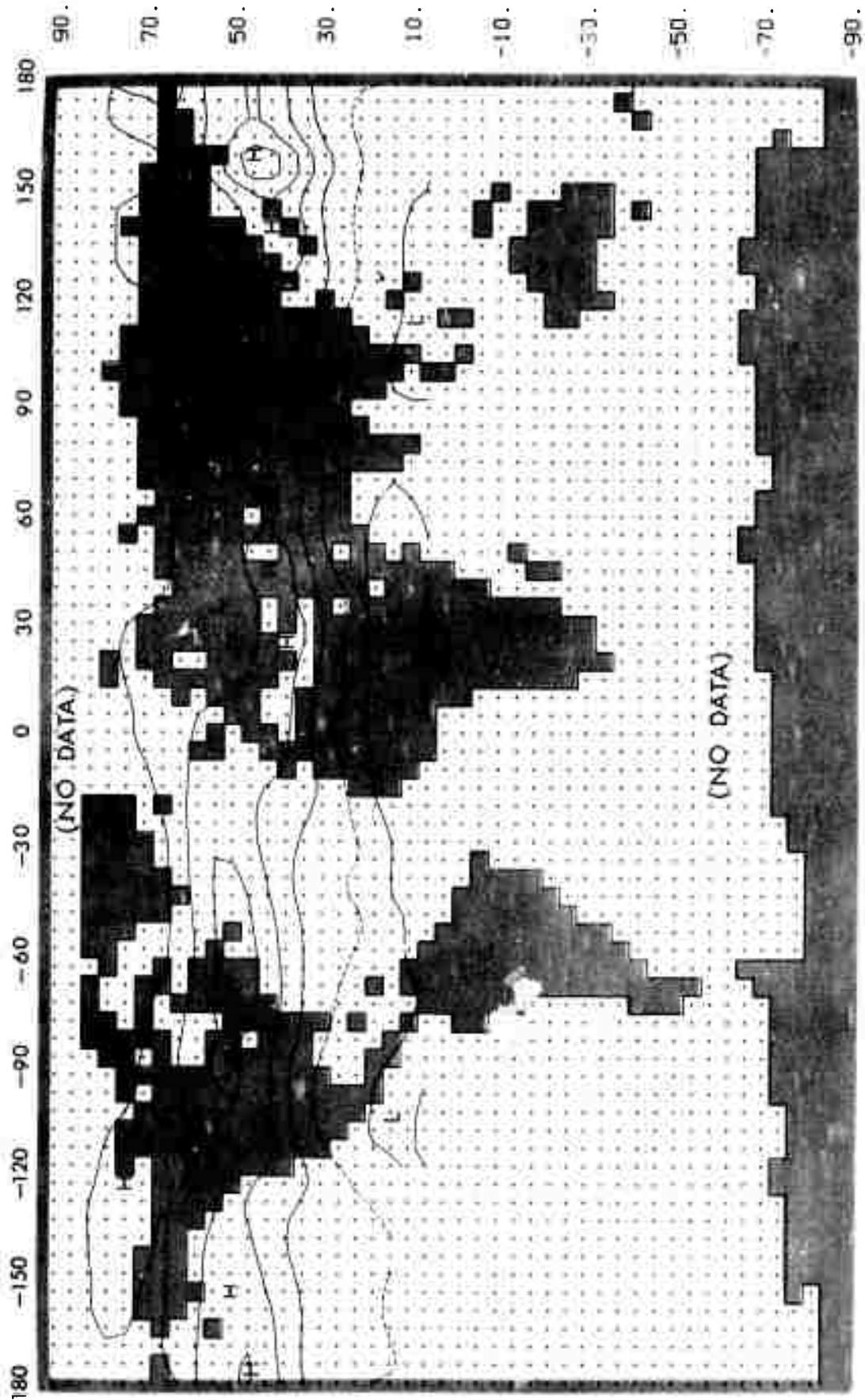


Fig. 3.21--June-July-August mean zonal wind at 400 mb (northern hemisphere only) in m sec^{-1} . The analysis interval is 5 m sec^{-1} and the 0 isoline is dashed. A positive value denotes wind *toward* the east. Data are from the cross sections of Crutcher (1961).

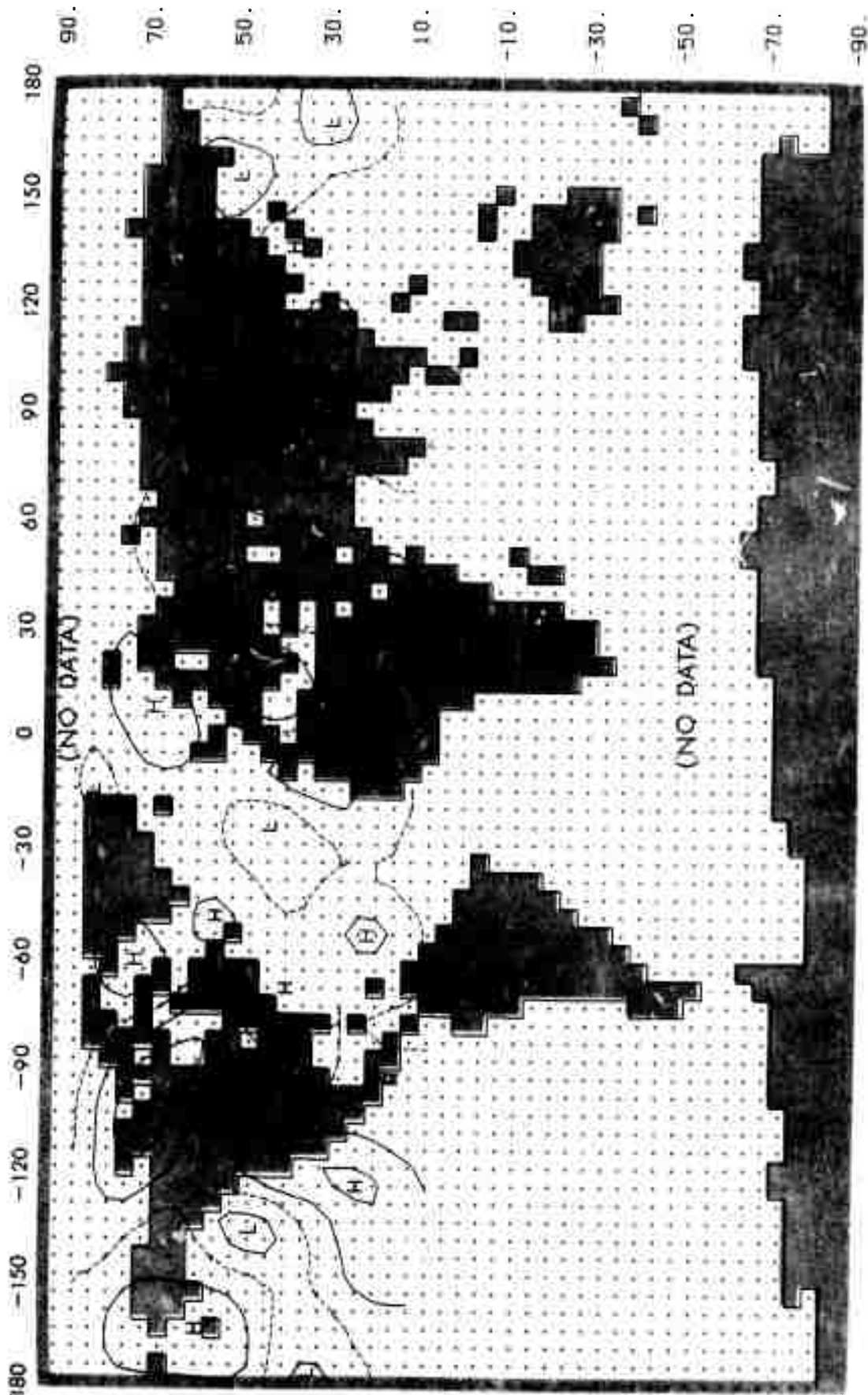


Fig. 3.22---June-July-August mean meridional wind at 400 mb (northern hemisphere only) in m sec^{-1} . The analysis interval is 2.0 m sec^{-1} and the 0 isoline is dashed. A positive value denotes wind *toward* the north. Data are from the cross sections of Crutcher (1961).

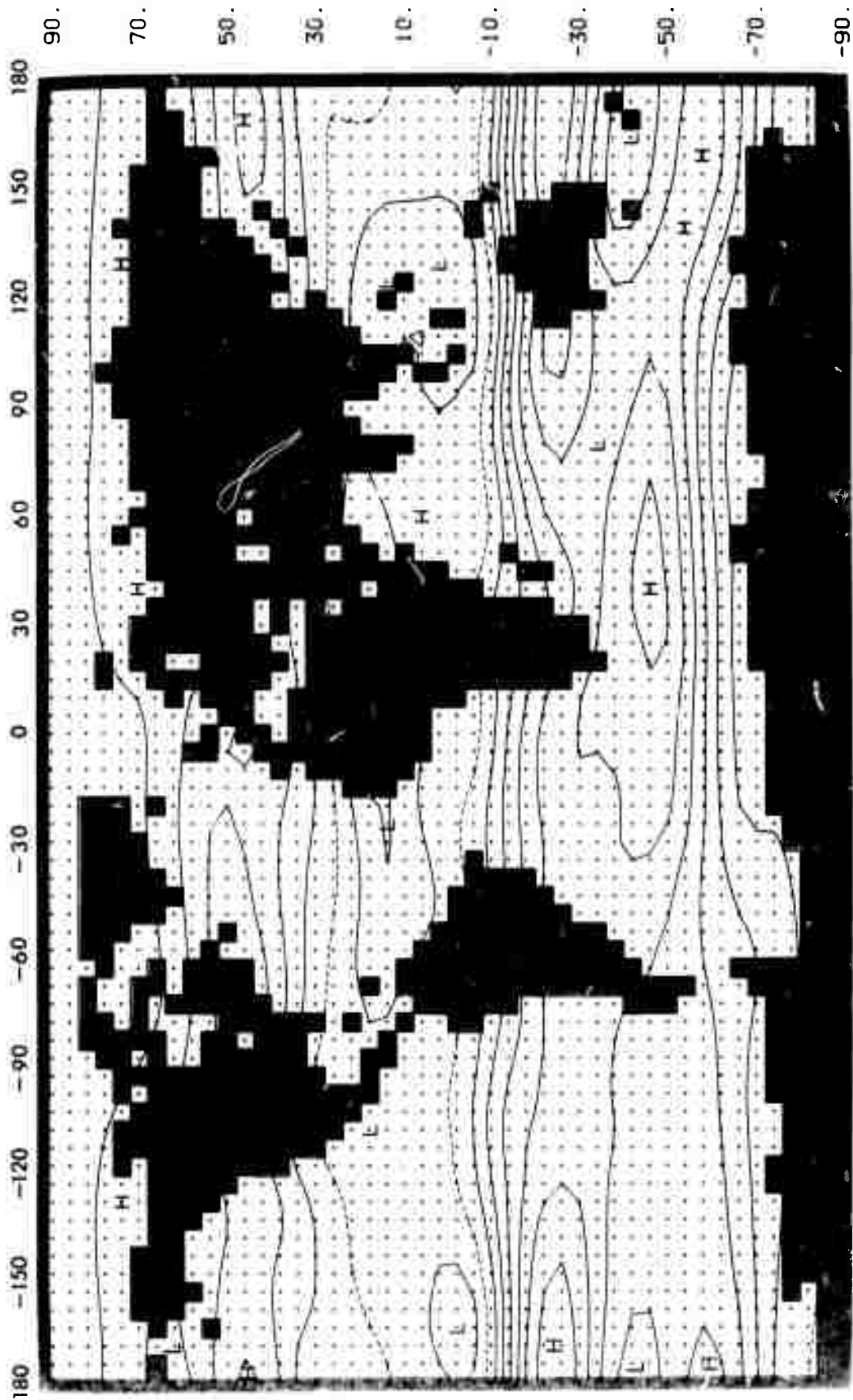


Fig. 3.23--July mean zonal geostrophic wind at 400 mb in m sec^{-1} . The analysis interval is 5 m sec^{-1} and the 0 isoline is dashed. A positive value denotes wind *toward* the east. Reduced from data of Crutcher and Meserve (1970) and Taljaard et al. (1969).

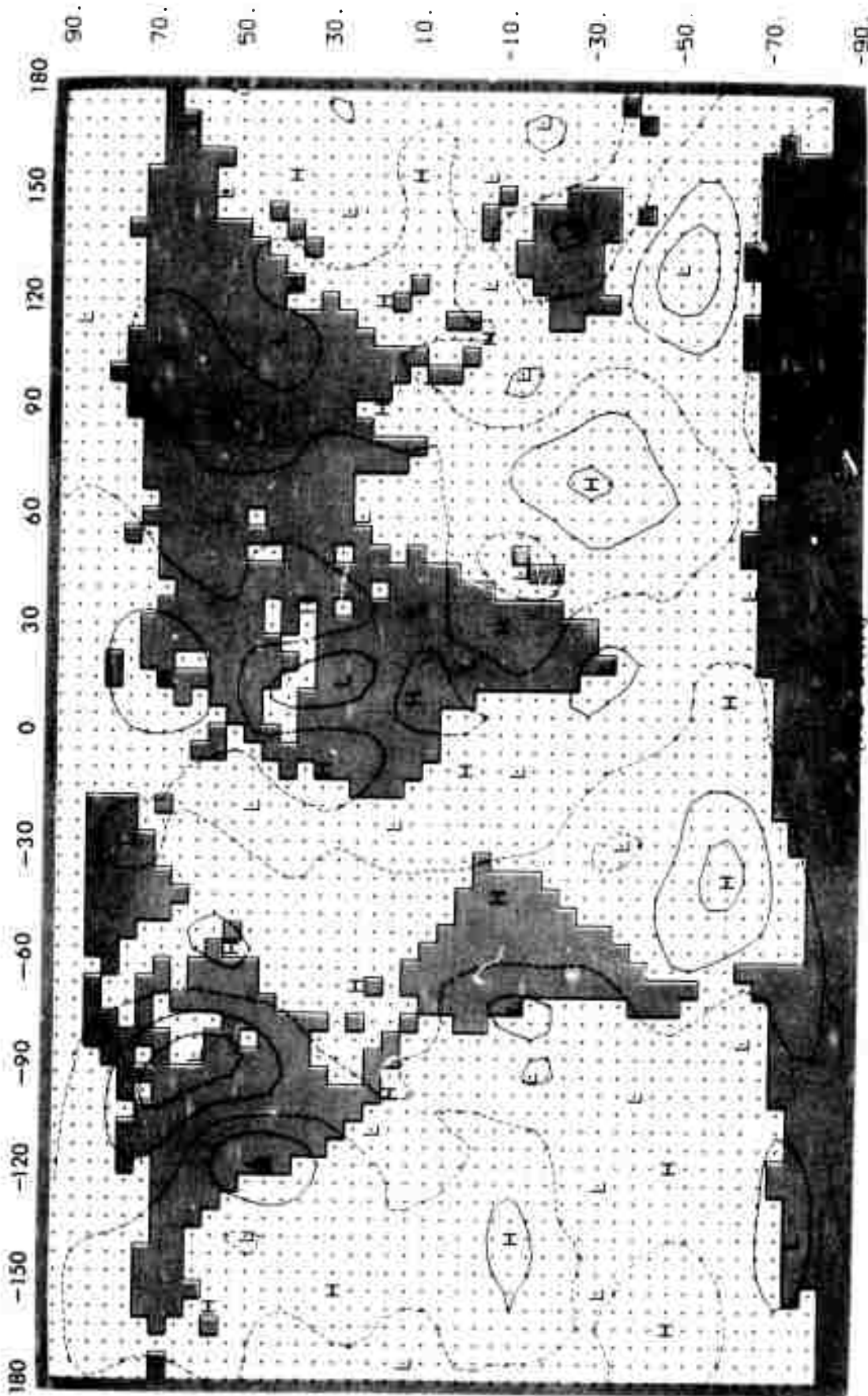


Fig. 3.24--July mean meridional geostrophic wind at 400 mb in m sec^{-1} . The analysis interval is 2.5 m sec^{-1} and the 0 isoline is dashed. A positive value denotes wind *toward* the north. Reduced from data of Crutcher and Meserve (1970) and Taljaard et al. (1969).

4. ZONALLY AVERAGED DATA

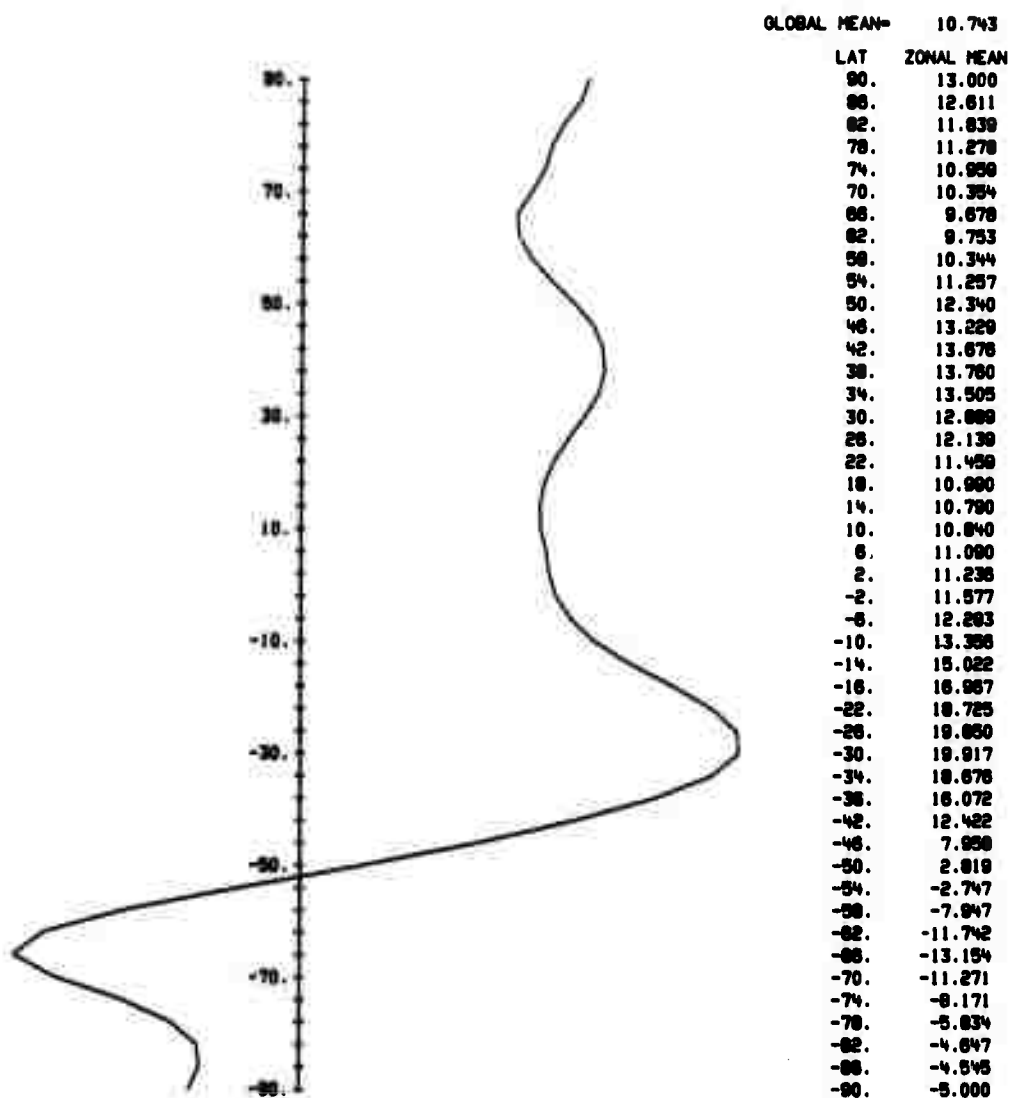


Fig. 4.1--July zonally averaged mean sea-level pressure in mb (relative to 1000 mb), as found from the data of Fig. 3.1.

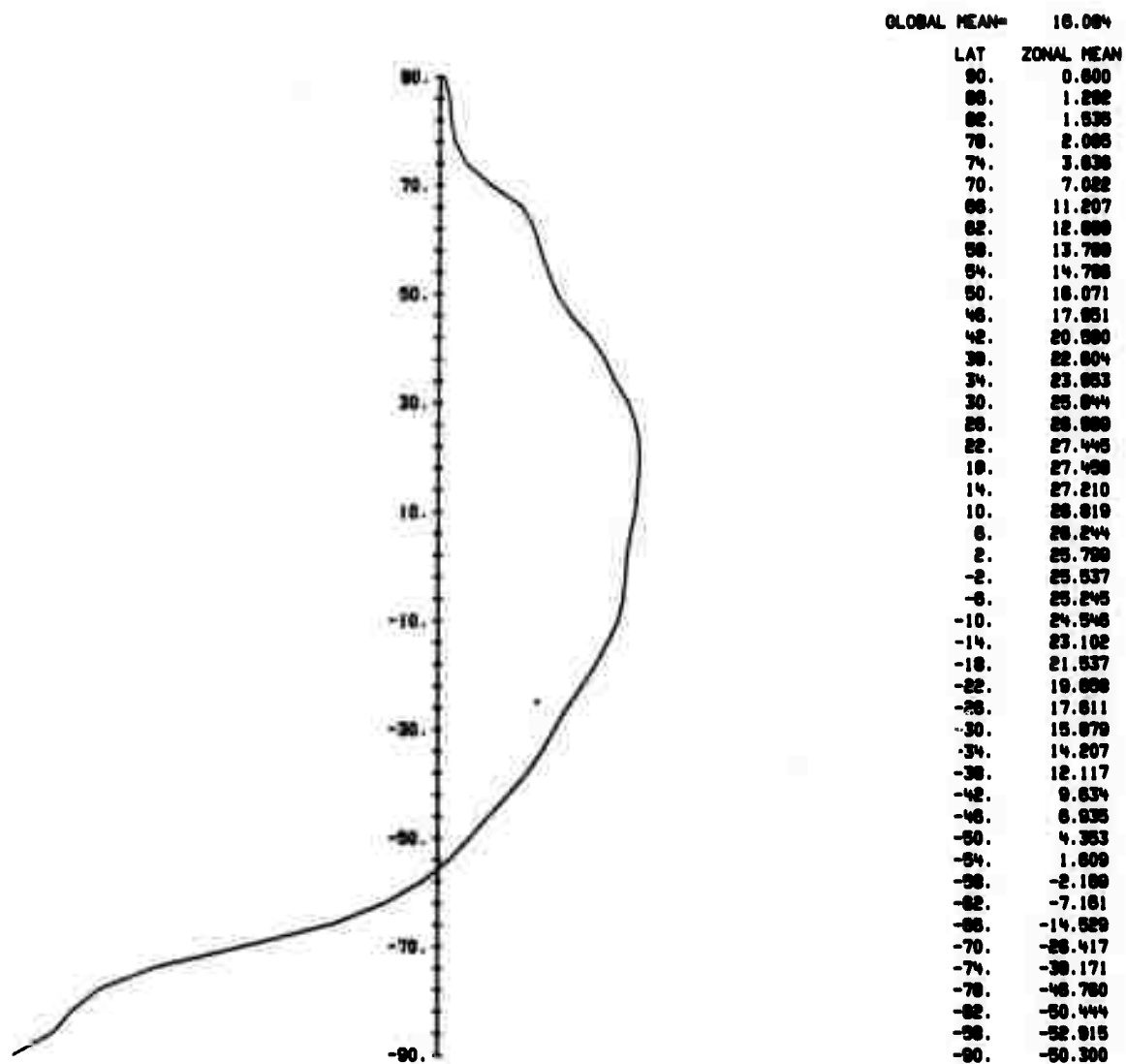


Fig. 4.2--July zonally averaged mean surface air temperature in deg C, as found from the data of Fig. 3.2.

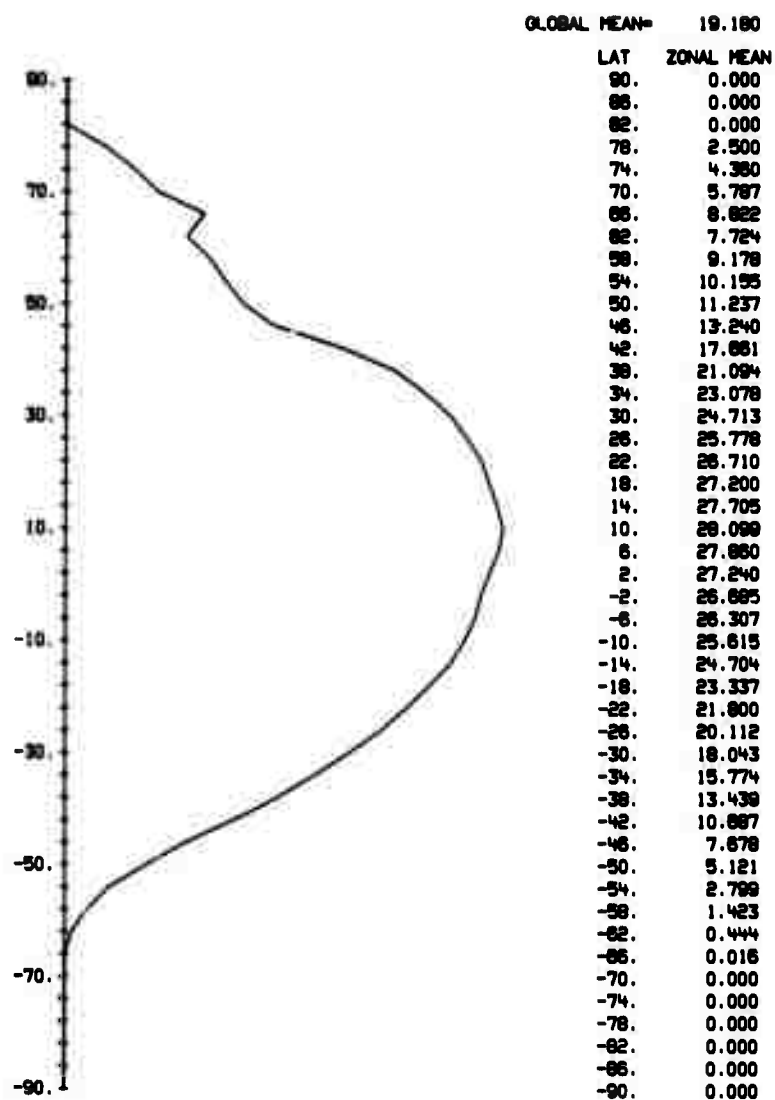


Fig. 4.3--July zonally averaged mean sea-surface temperature in deg C, as found from the data of Fig. 3.3.

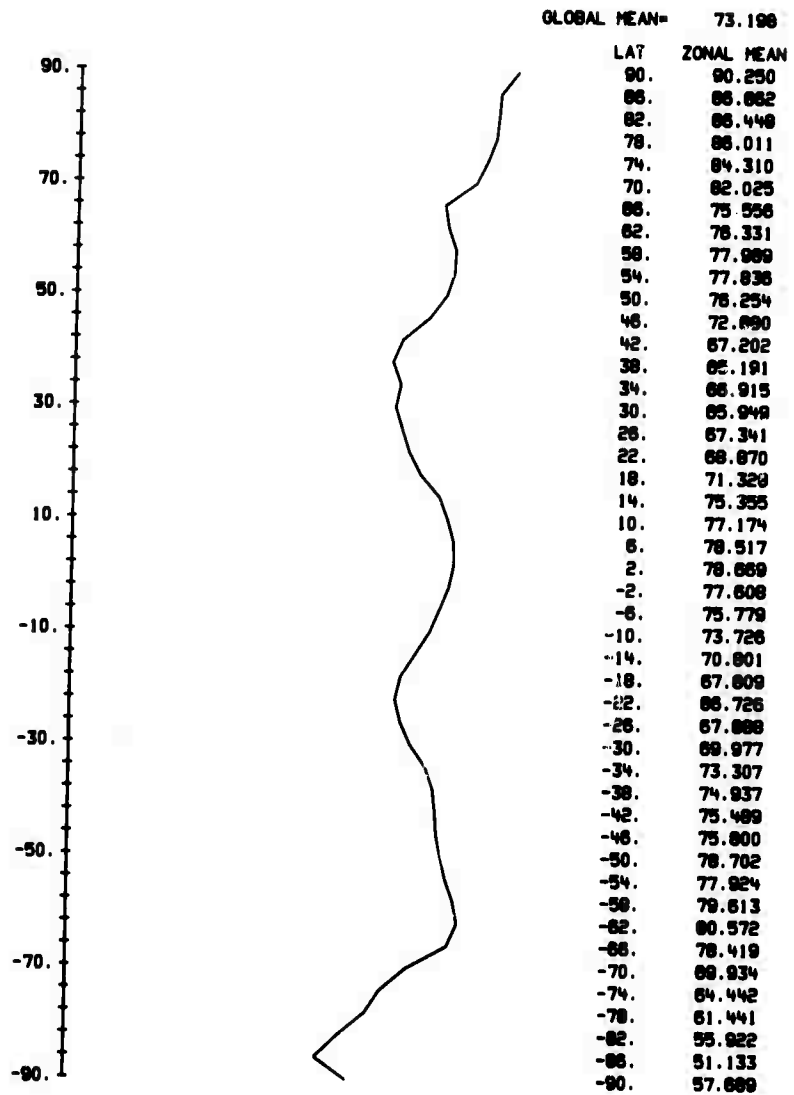


Fig. 4.4--July zonally averaged mean surface relative humidity in percent, as found from the data of Fig. 3.4.

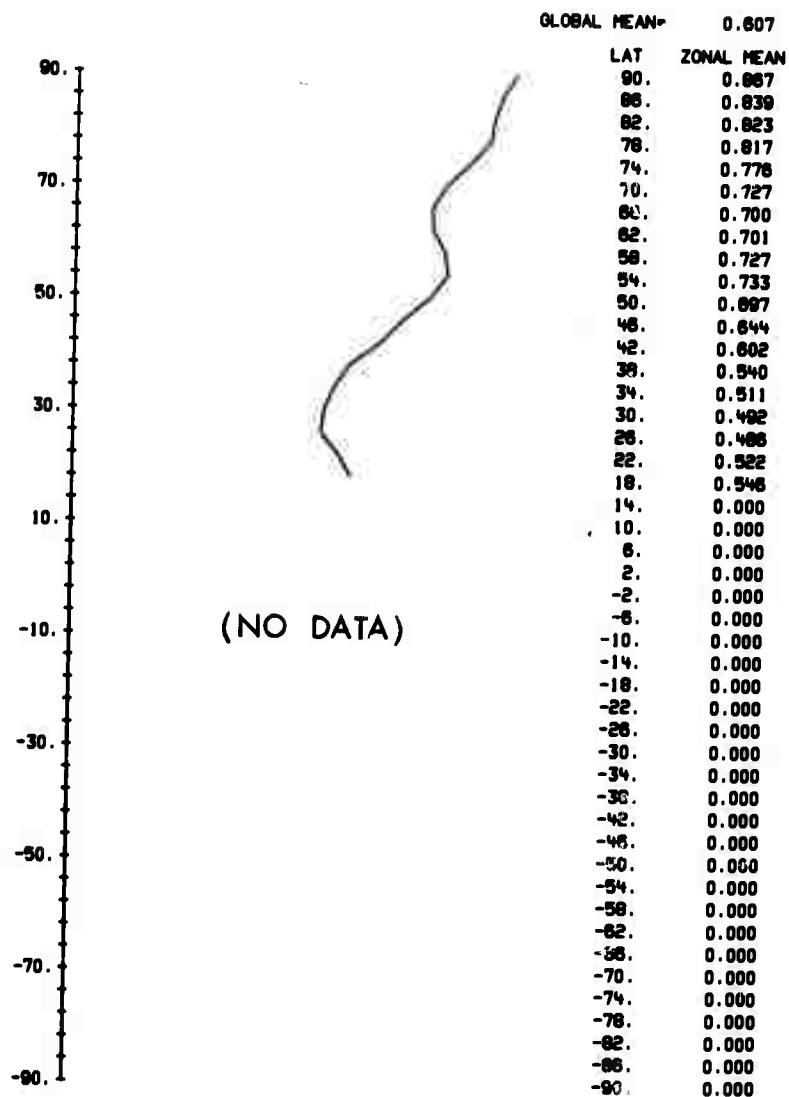


Fig. 4.5A--July zonally averaged mean total cloud cover (northern hemisphere only) in tenths of the sky covered, as found from the data of Fig. 3.5A.

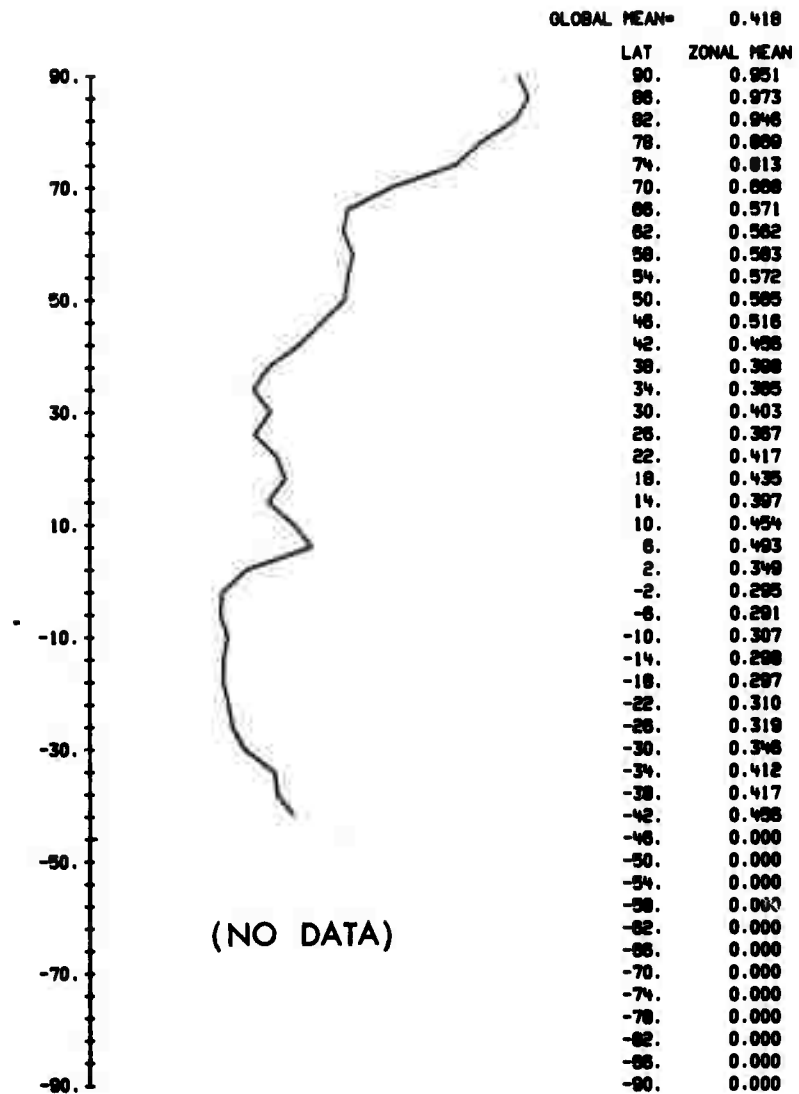


Fig. 4.5B--July zonally averaged mean total cloud cover in tenths of the sky covered, as found from the data of Fig. 3.5B.

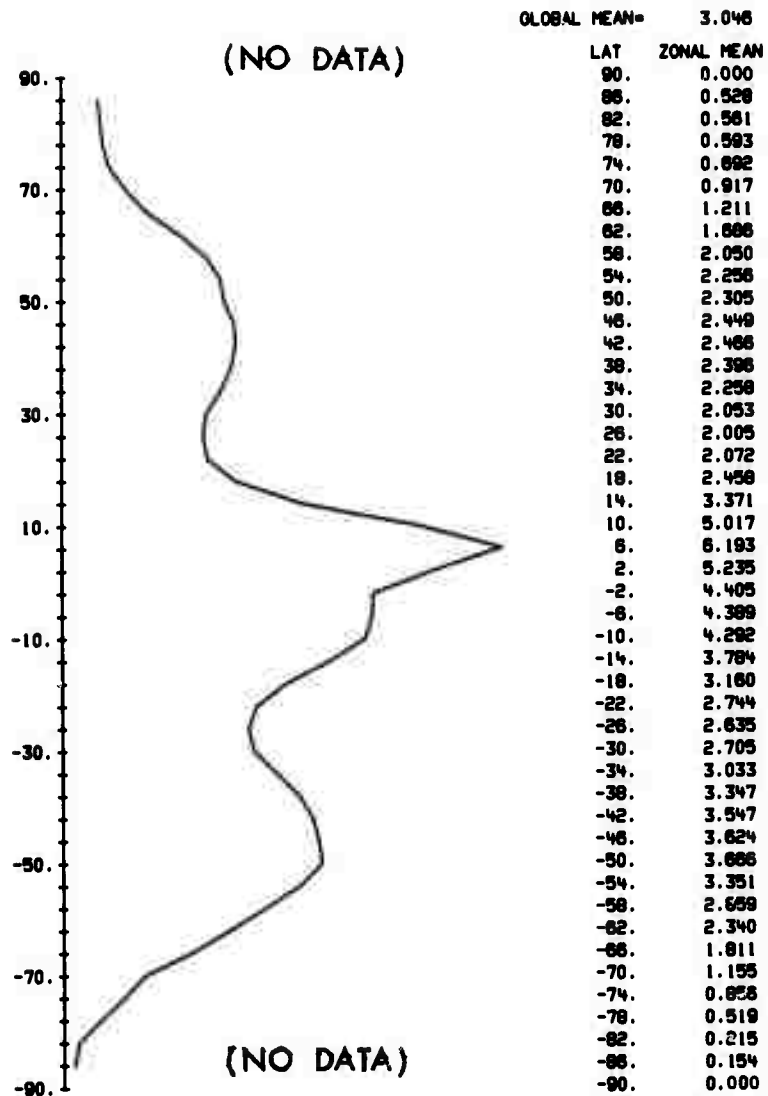


Fig. 4.6A--Zonally averaged mean *annual* precipitation in mm/day, as found from the data of Fig. 3.6A.

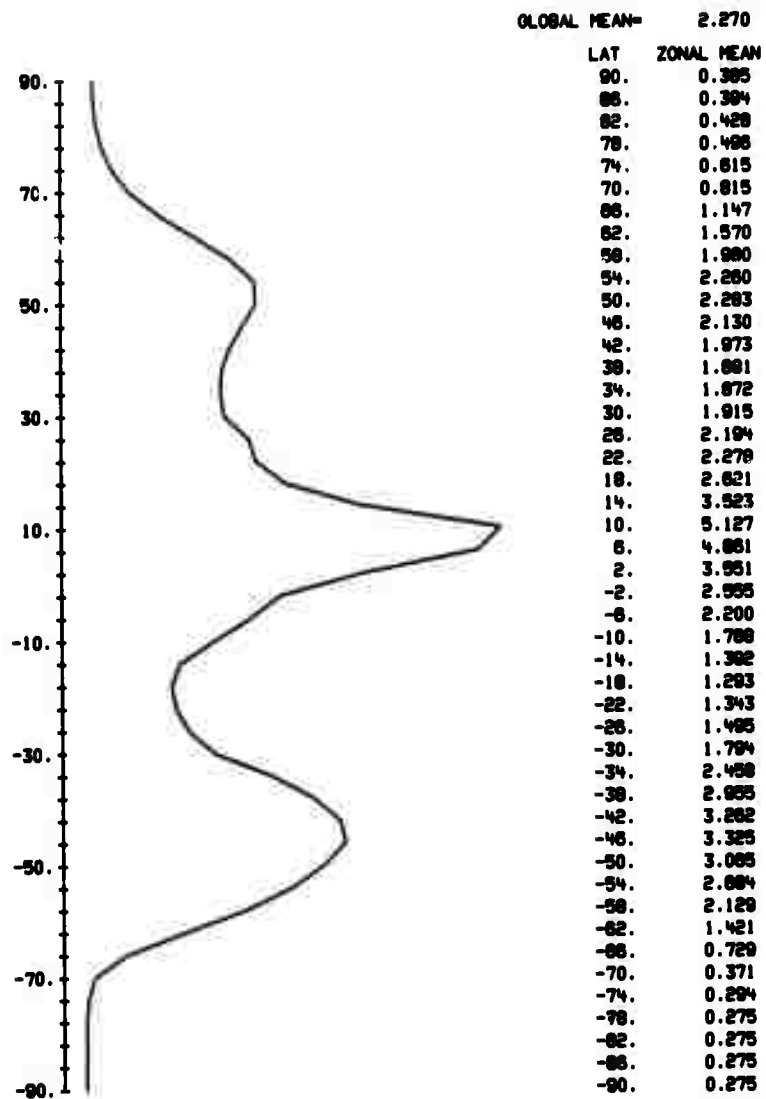


Fig. 4.6B--June-July-August zonally averaged mean precipitation in mm/day, as found from the data of Fig. 3.6B.

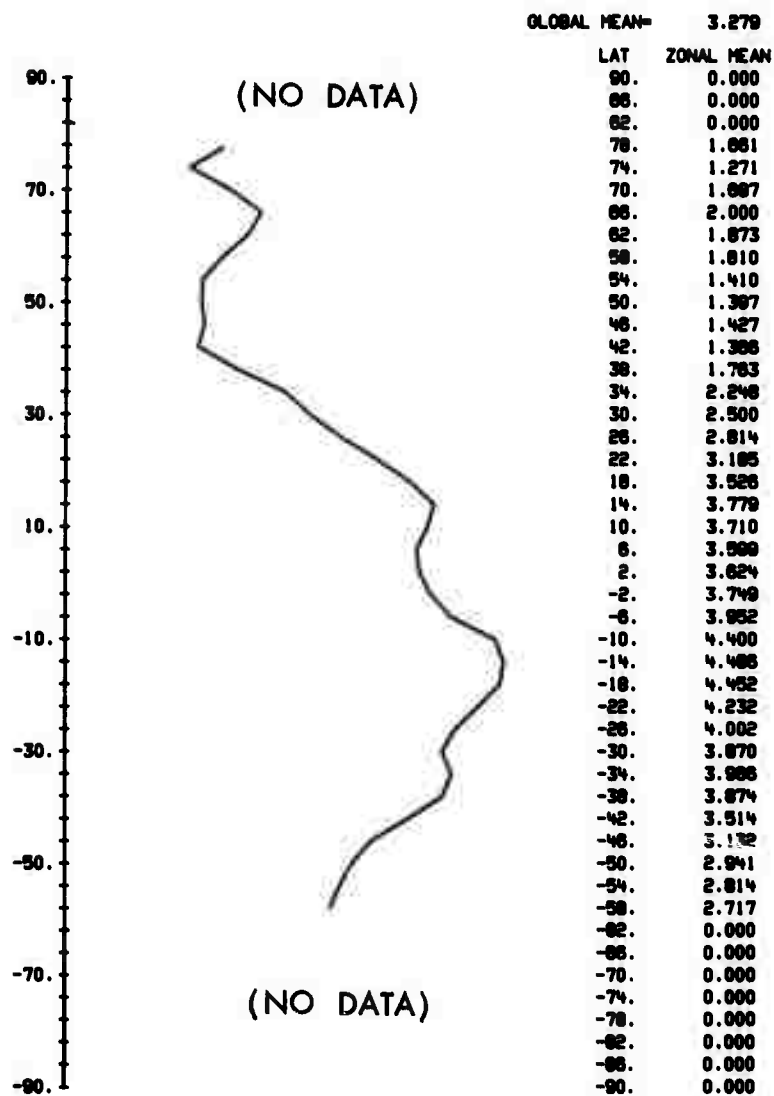


Fig. 4.7--July zonally averaged mean surface evaporation in mm/day as found from the data of Fig. 3.7.

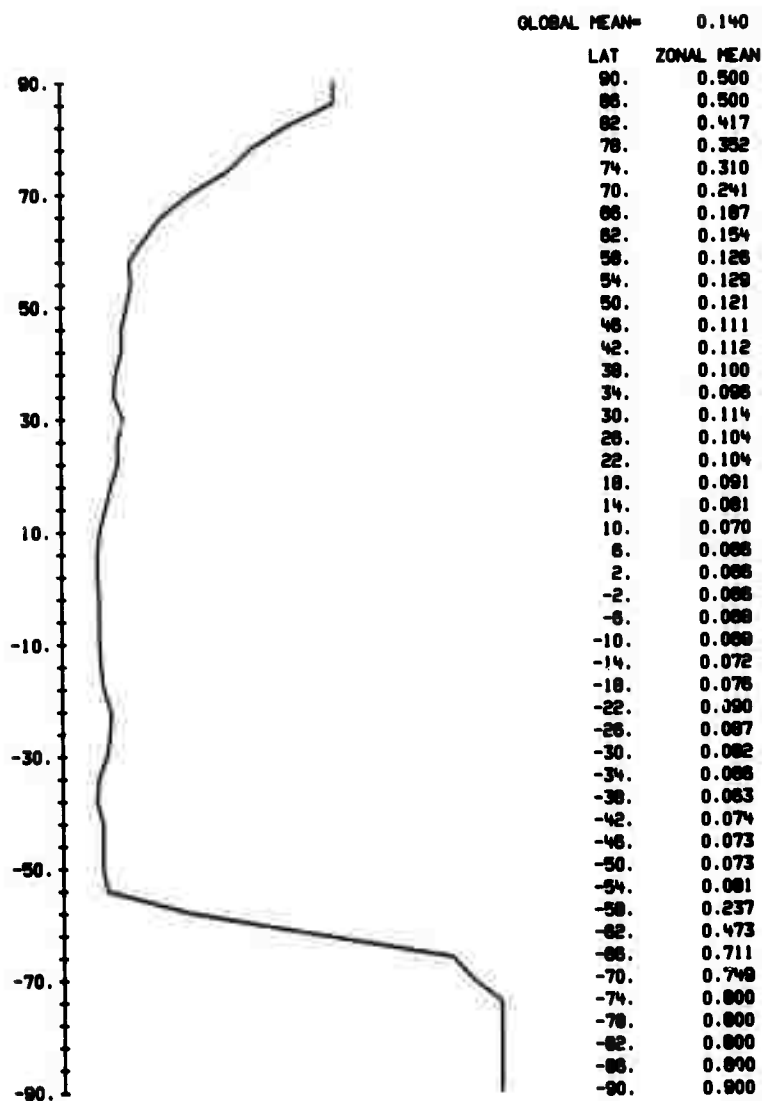


Fig. 4.8A--July zonally averaged mean surface albedo, in fractions,
as found from the data of Fig. 3.8A.

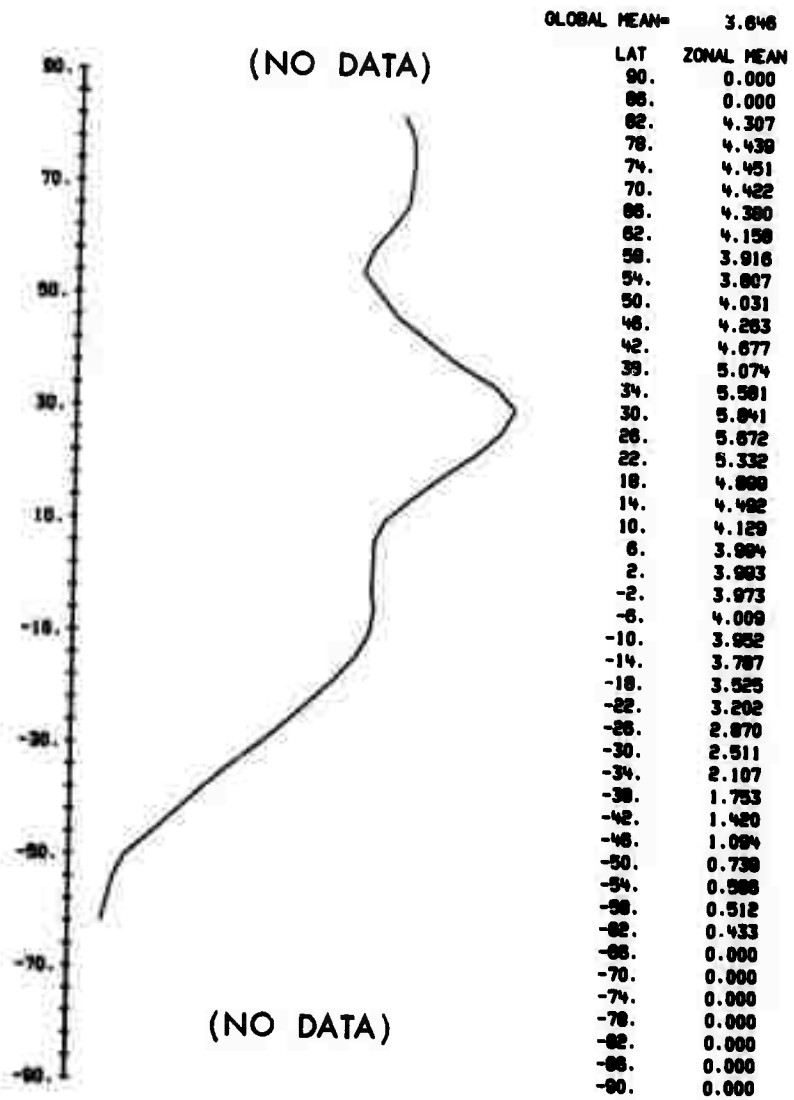


Fig. 4.8B--July zonally averaged mean solar radiation received at the surface in 10^2 ly/day, as found from the data of Fig. 3.8B.

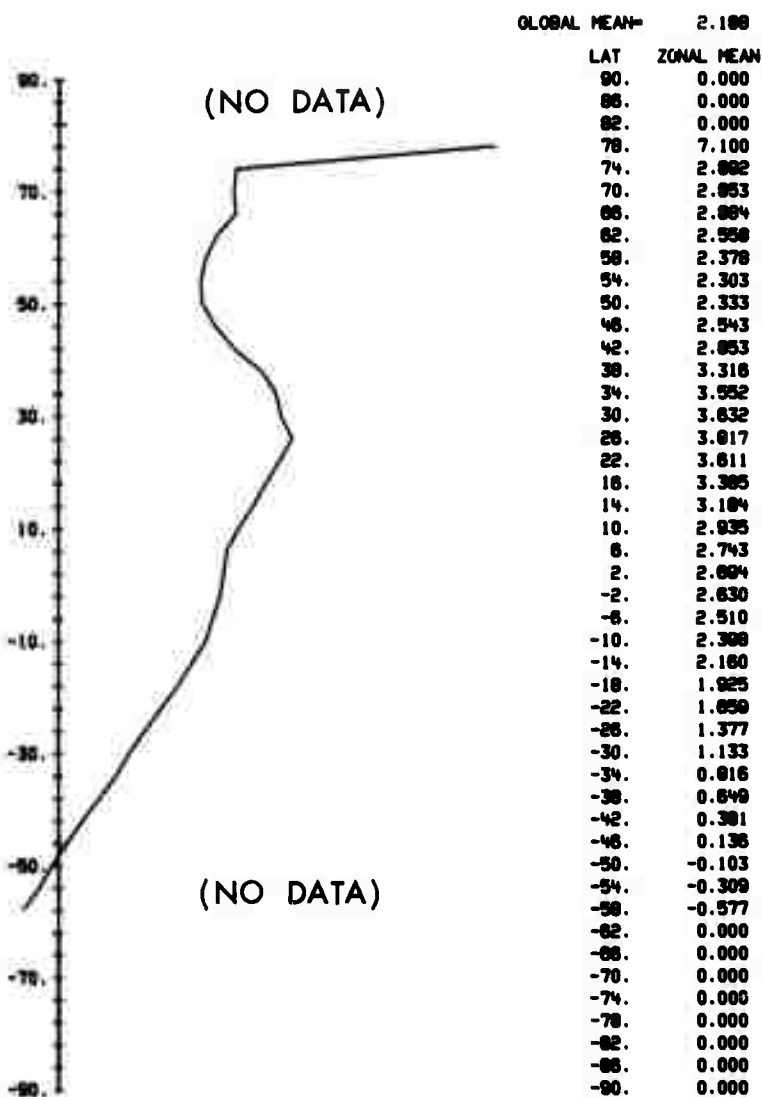


Fig. 4.9--July zonally averaged mean radiation balance at the surface in 10^2 ly/day, as found from the data of Fig. 3.9.

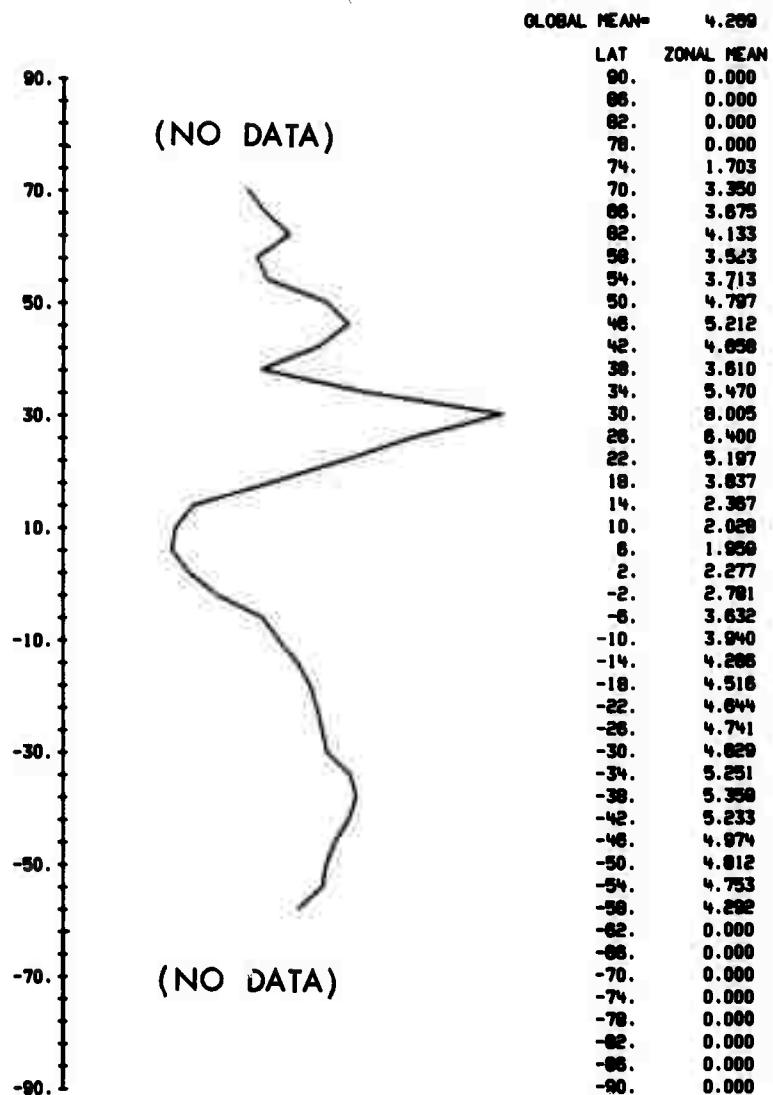


Fig. 4.10--July zonally averaged mean sensible heat flux at the surface in 10 ly/day, as found from the data of Fig. 3.10.

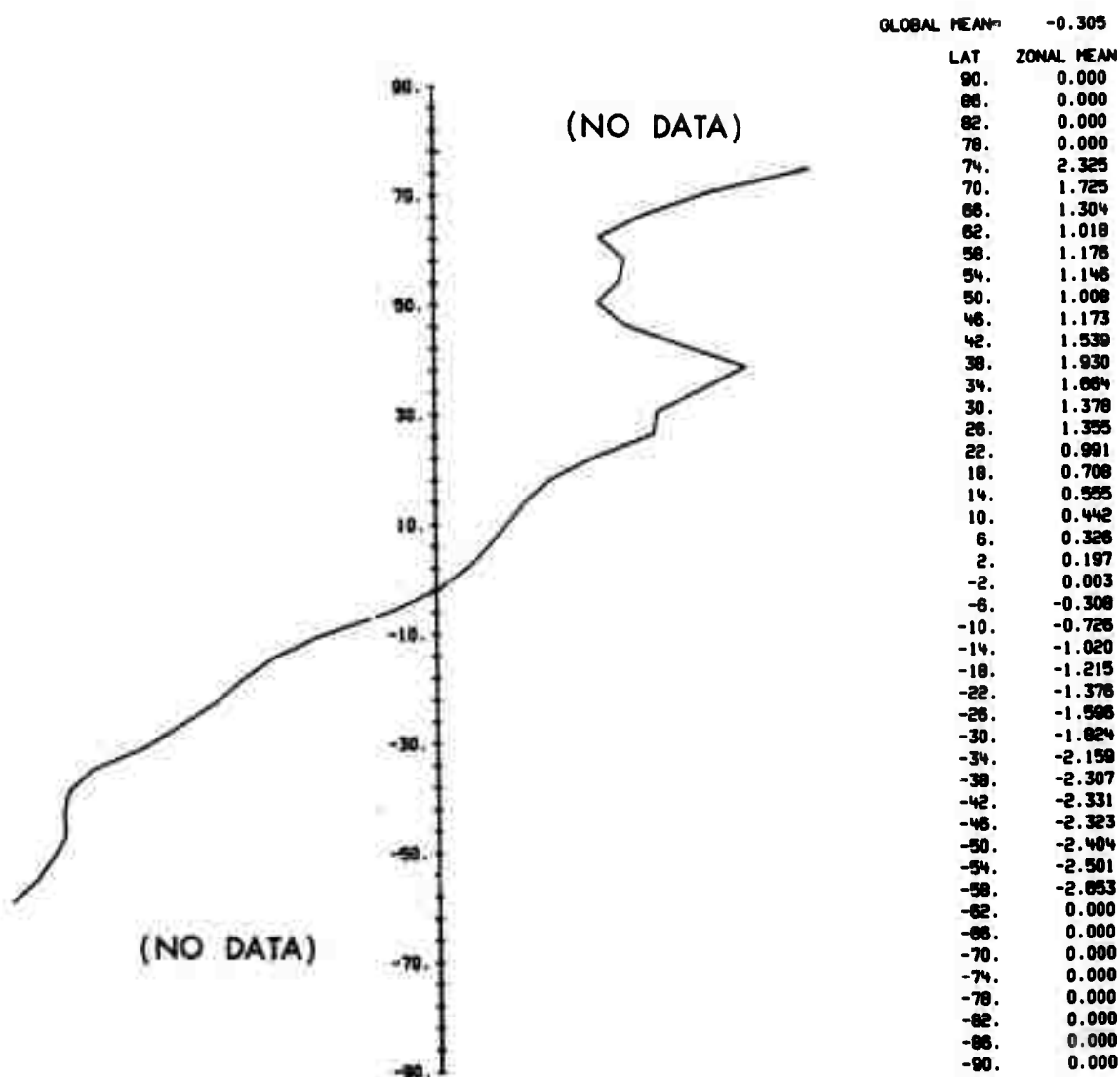


Fig. 4.11--July zonally averaged mean total heat balance at the surface in 10^2 ly/day, as found from the data of Fig. 3.11. A positive value denotes a radiative heat surplus over the losses due to sensible heat flux and evaporation.

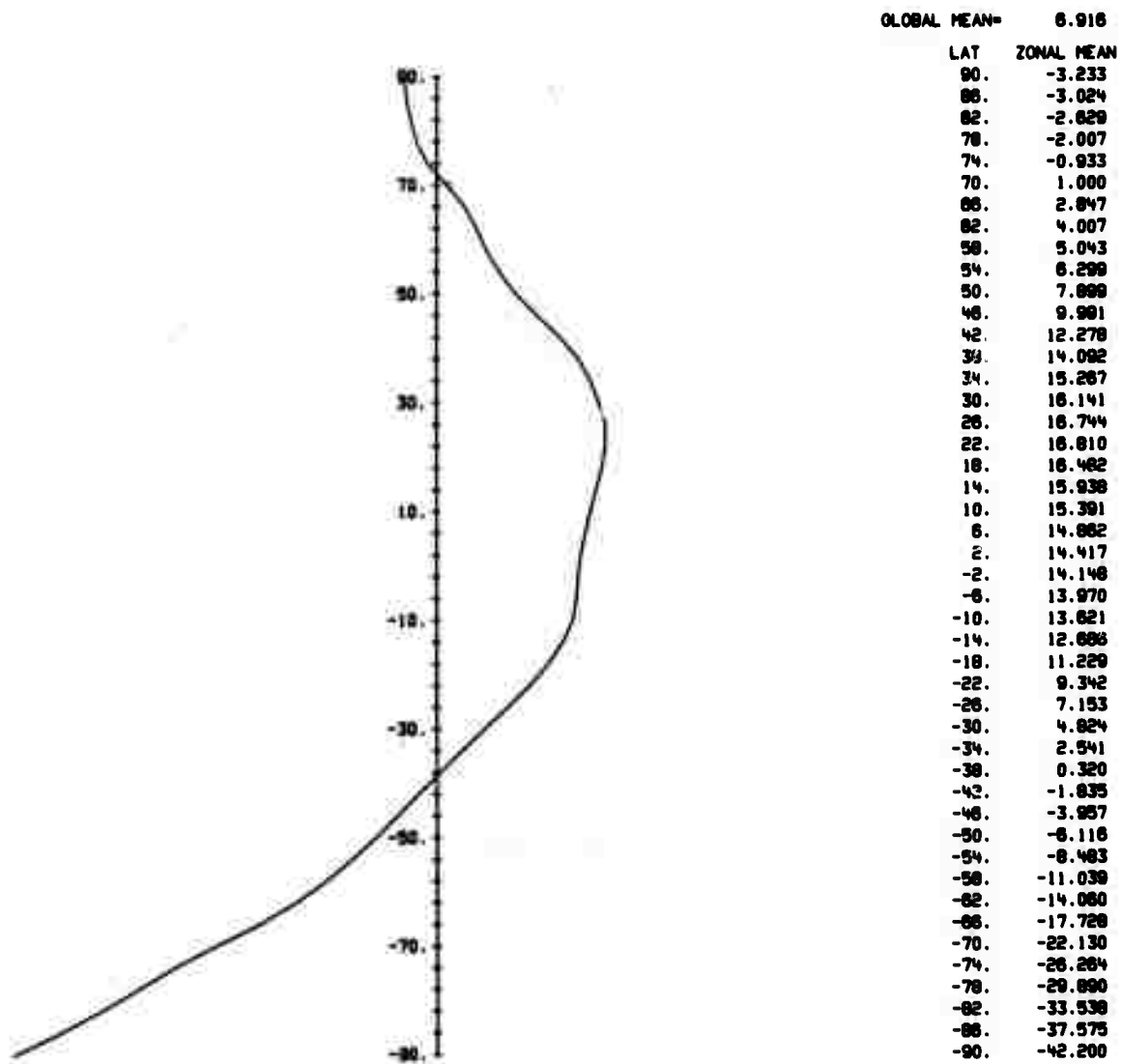


Fig. 4.12--July zonally averaged mean temperature at 800 mb in deg C, as found from the data of Fig. 3.12.

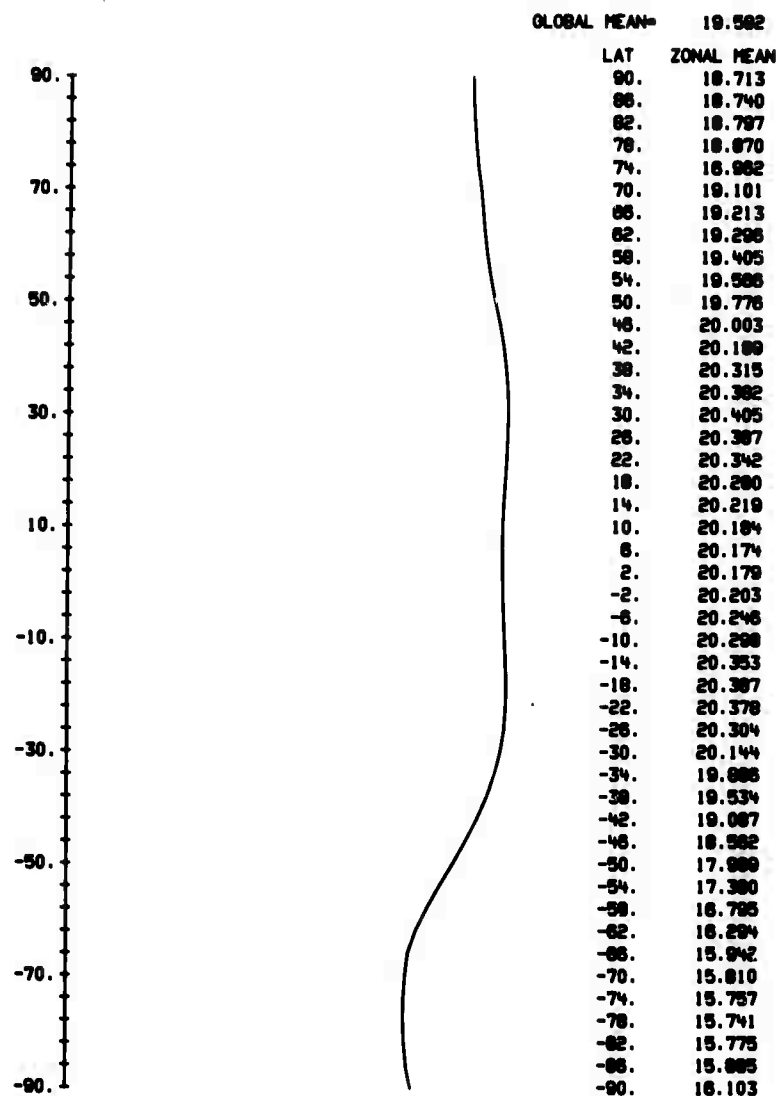


Fig. 4.13--July zonally averaged mean geopotential height at 800 mb in 10^2 m, as found from the data of Fig. 3.13.

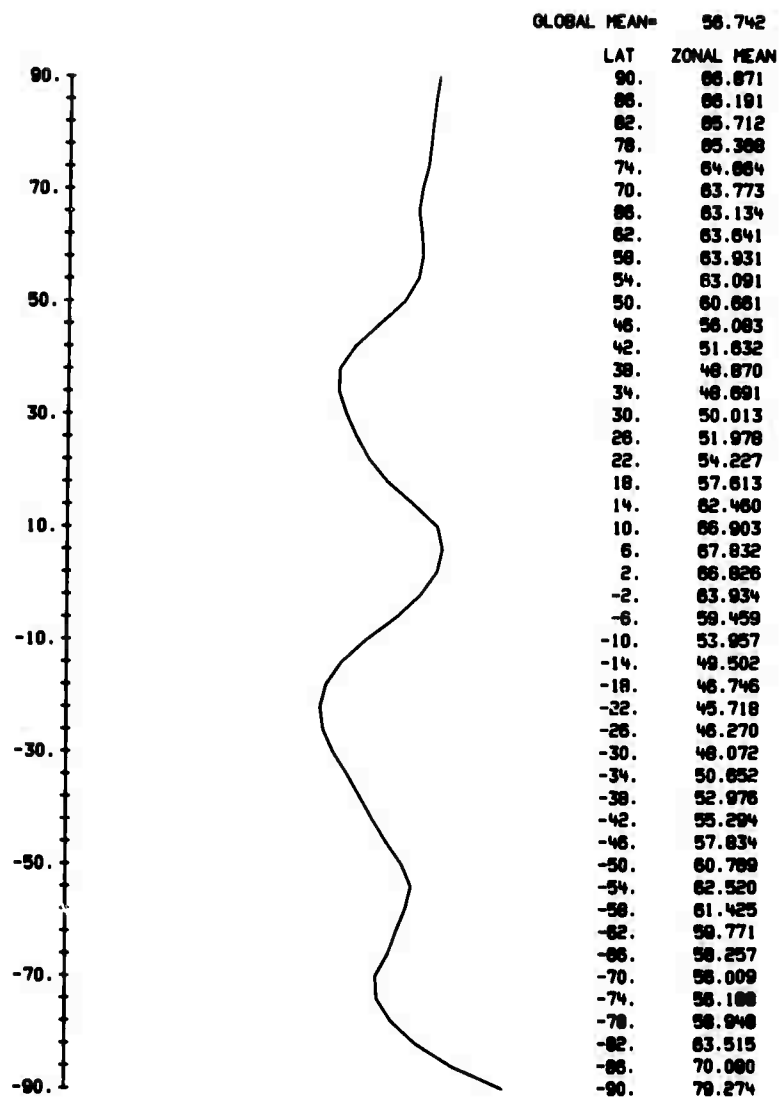


Fig. 4.14--July zonally averaged mean relative humidity at 800 mb in percent, as found from the data of Fig. 3.14.

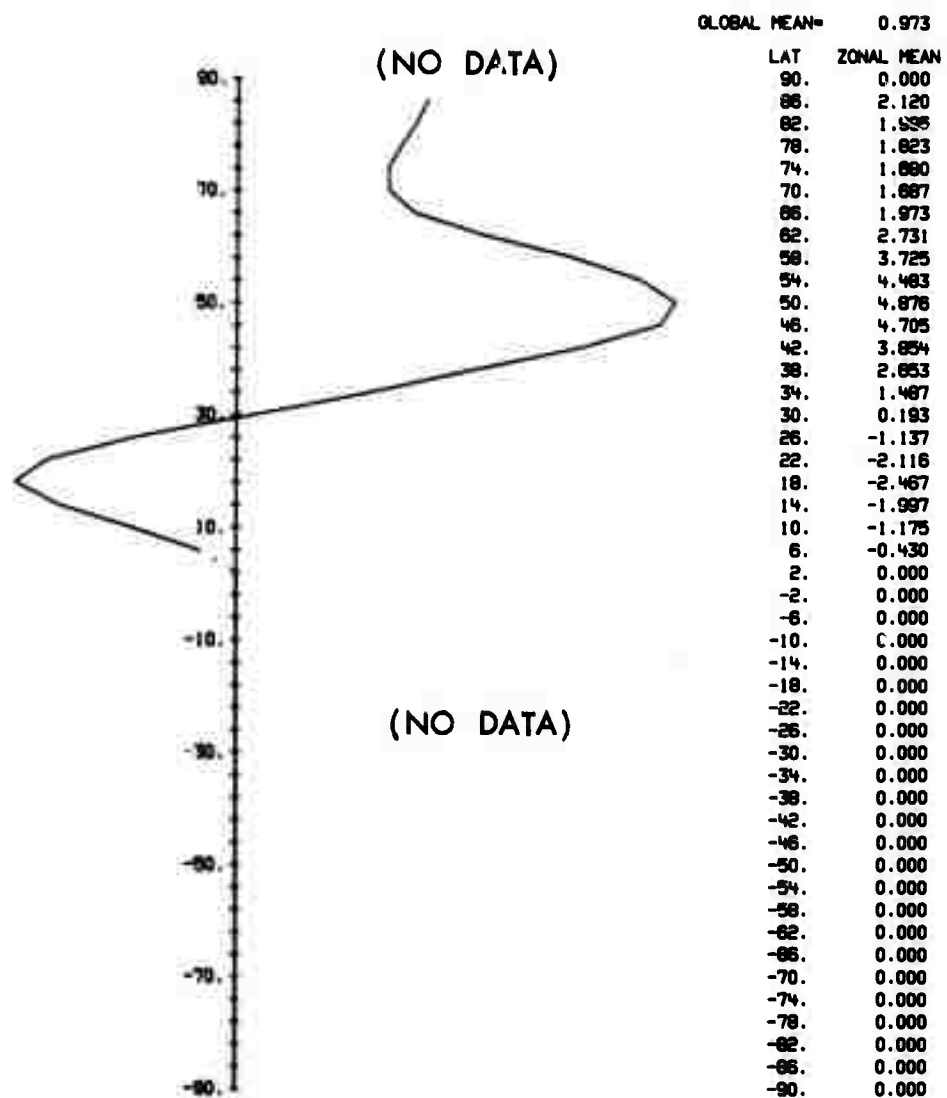


Fig. 4.15--June-July-August zonally averaged mean zonal wind at 800 mb (northern hemisphere only) in m sec^{-1} , as found from the data of Fig. 3.15. A positive value denotes wind *toward* the east. Values apply at latitudes 2 deg south of the indicated scale.

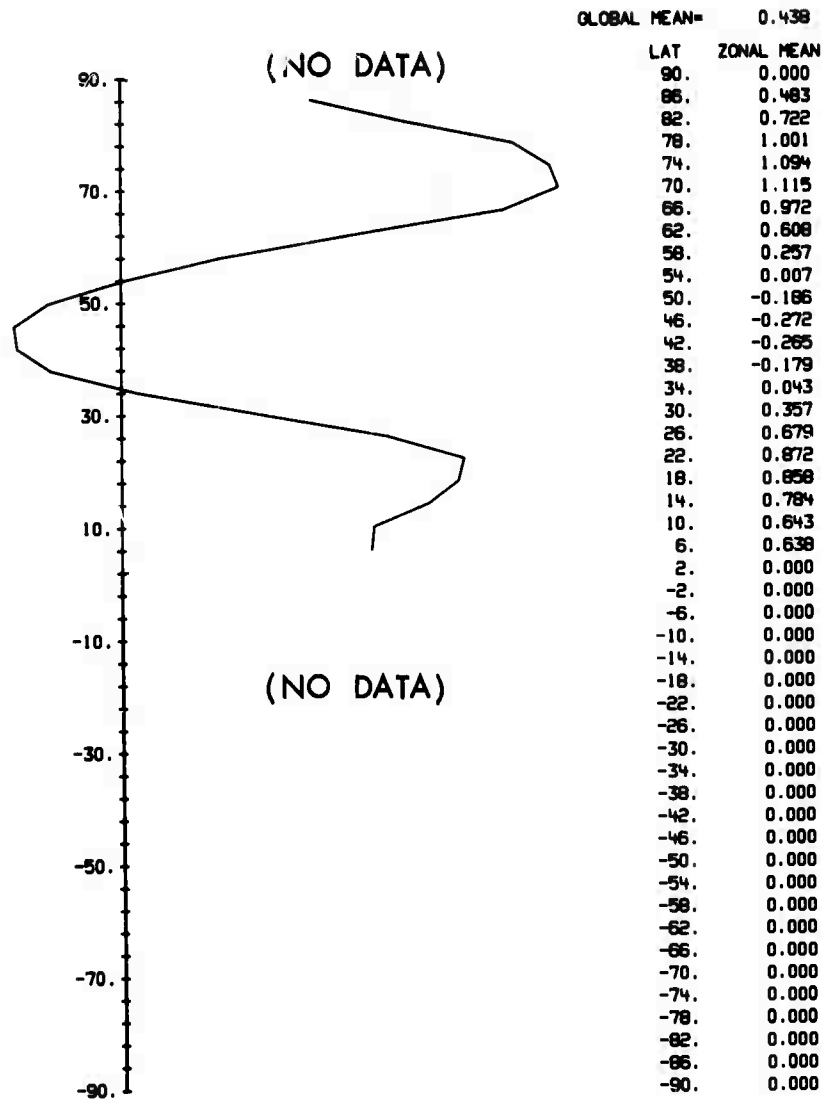


Fig. 4.16--June-July-August zonally averaged mean meridional wind at 800 mb (northern hemisphere only) in m sec^{-1} , as found from the data of Fig. 3.16. A positive value denotes wind *toward* the north. Values apply at latitudes 2 deg south of the indicated scale.

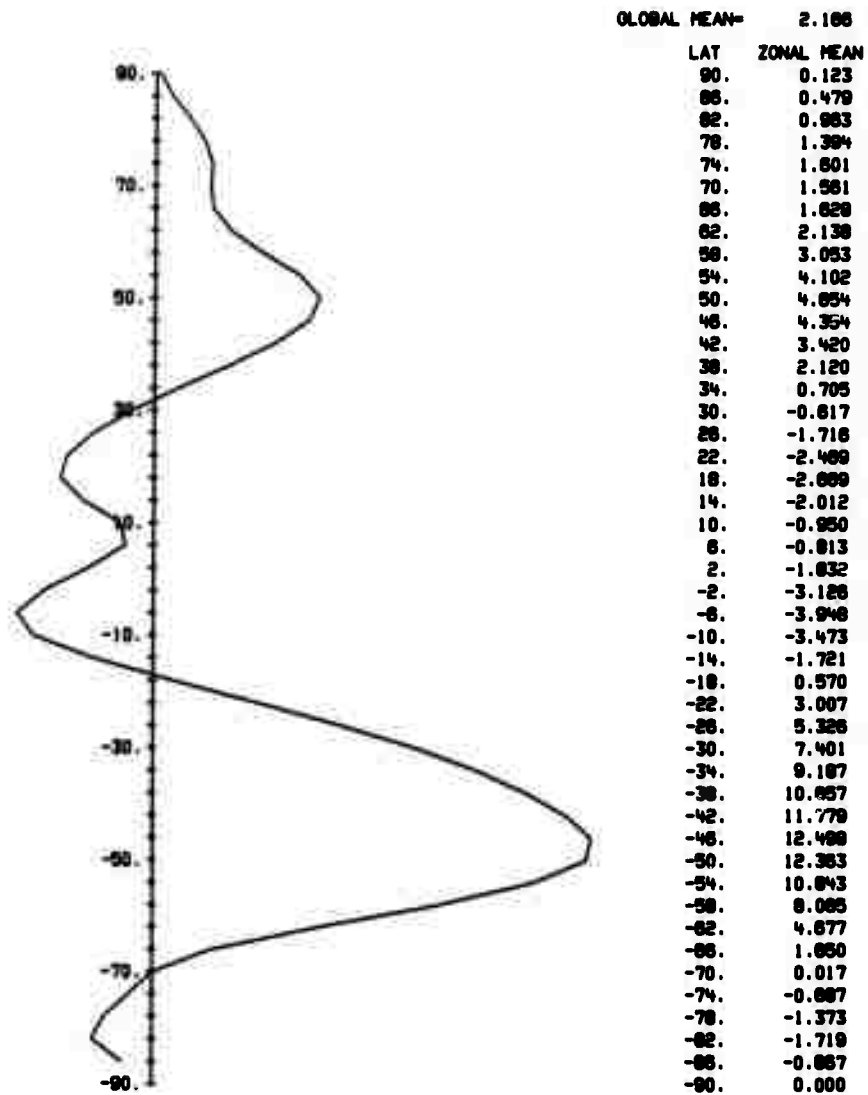


Fig. 4.17--July zonally averaged mean zonal geostrophic wind at 800 mb in the $m \text{ sec}^{-1}$, as found from the data of Fig. 3.17. A positive value denotes wind *toward* the east. The value for 90 deg south is fictitious, and the remaining values apply at latitudes 2 deg south of the indicated scale.

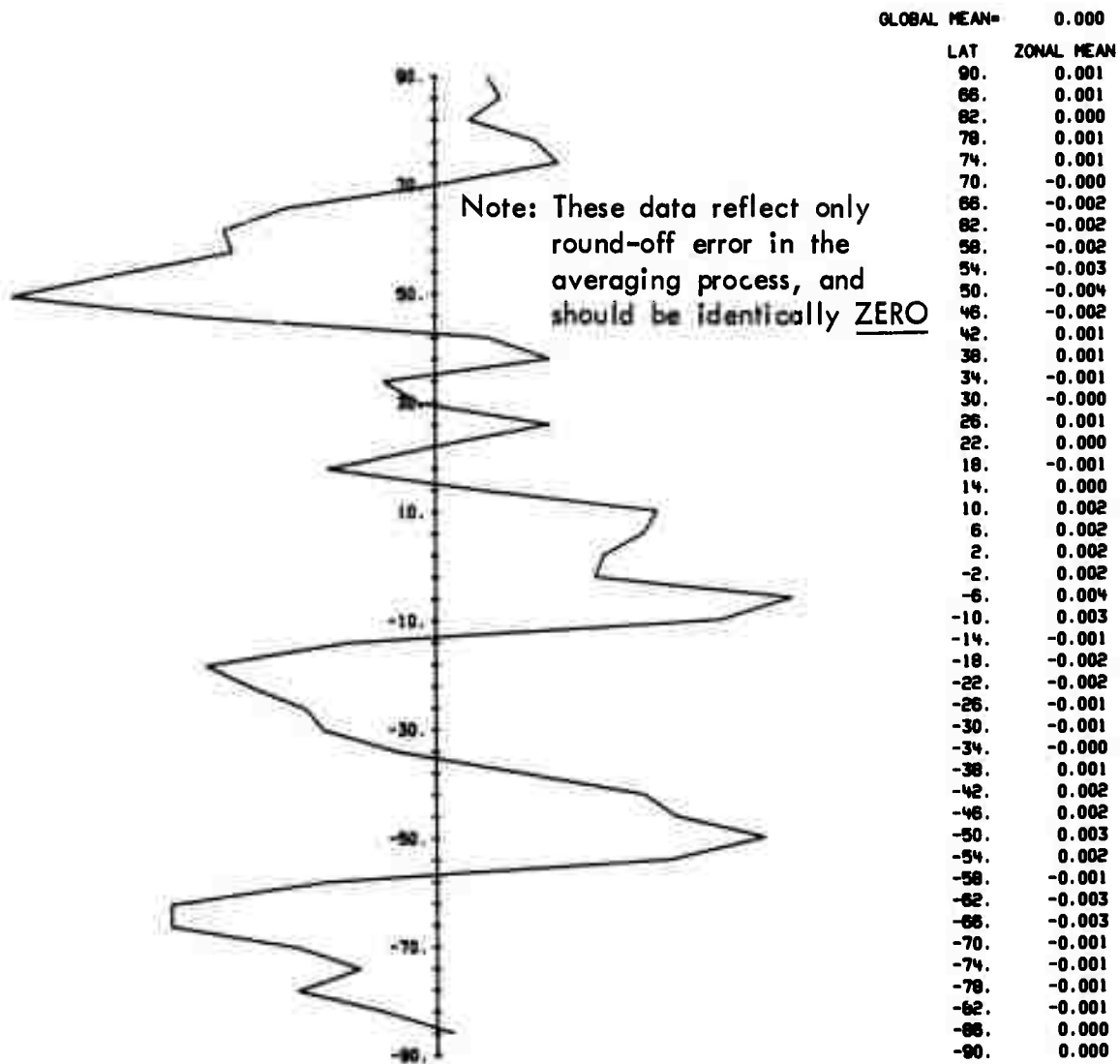


Fig. 4.18--July zonally averaged mean meridional geostrophic wind at 800 mb in m sec^{-1} , as found from the data of Fig. 3.18. A positive value denotes wind *toward* the north. The value for 90 deg south is fictitious, and the remaining values apply at latitudes 2 deg south of the indicated scale.

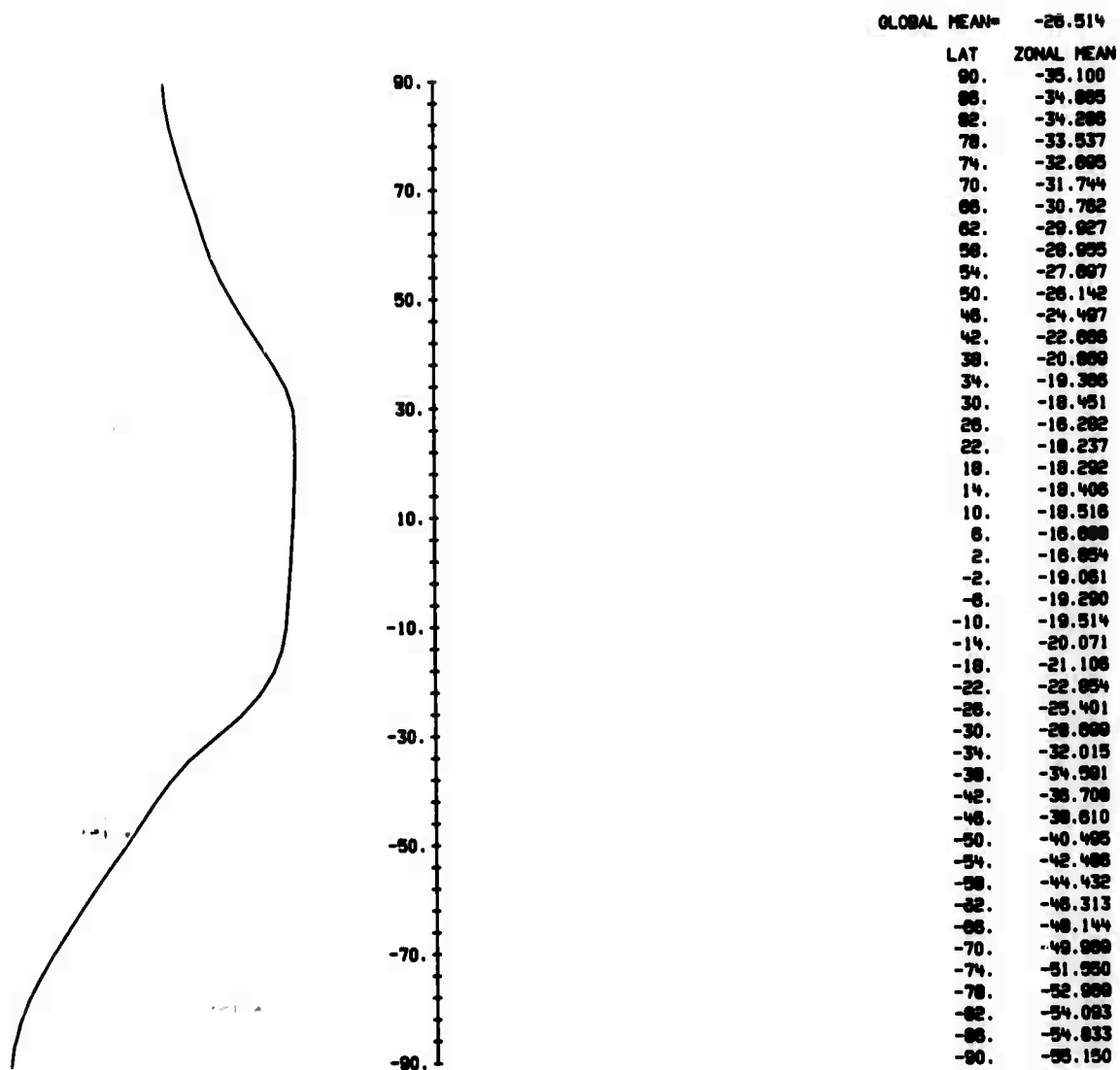


Fig. 4.19--July zonally averaged mean temperature at 400 mb in deg C, as found from the data of Fig. 3.19.

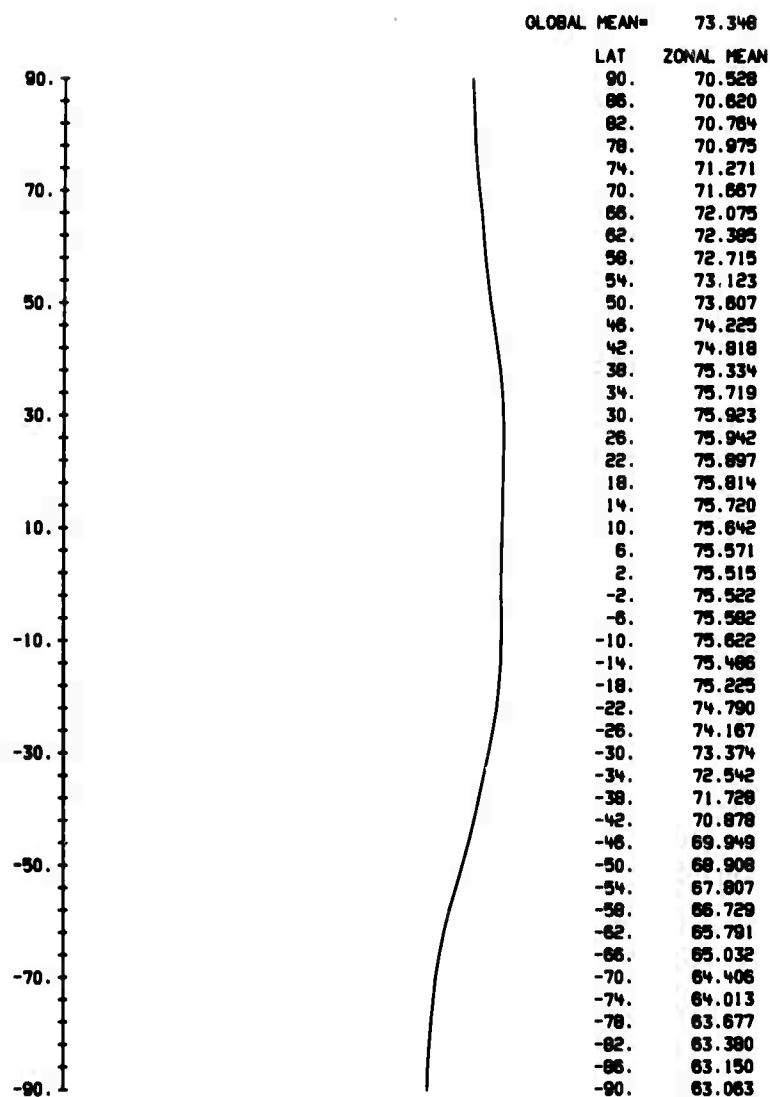


Fig. 4.20--July zonally averaged mean geopotential height at 400 mb in 10^2 m, as found from the data of Fig. 3.20.

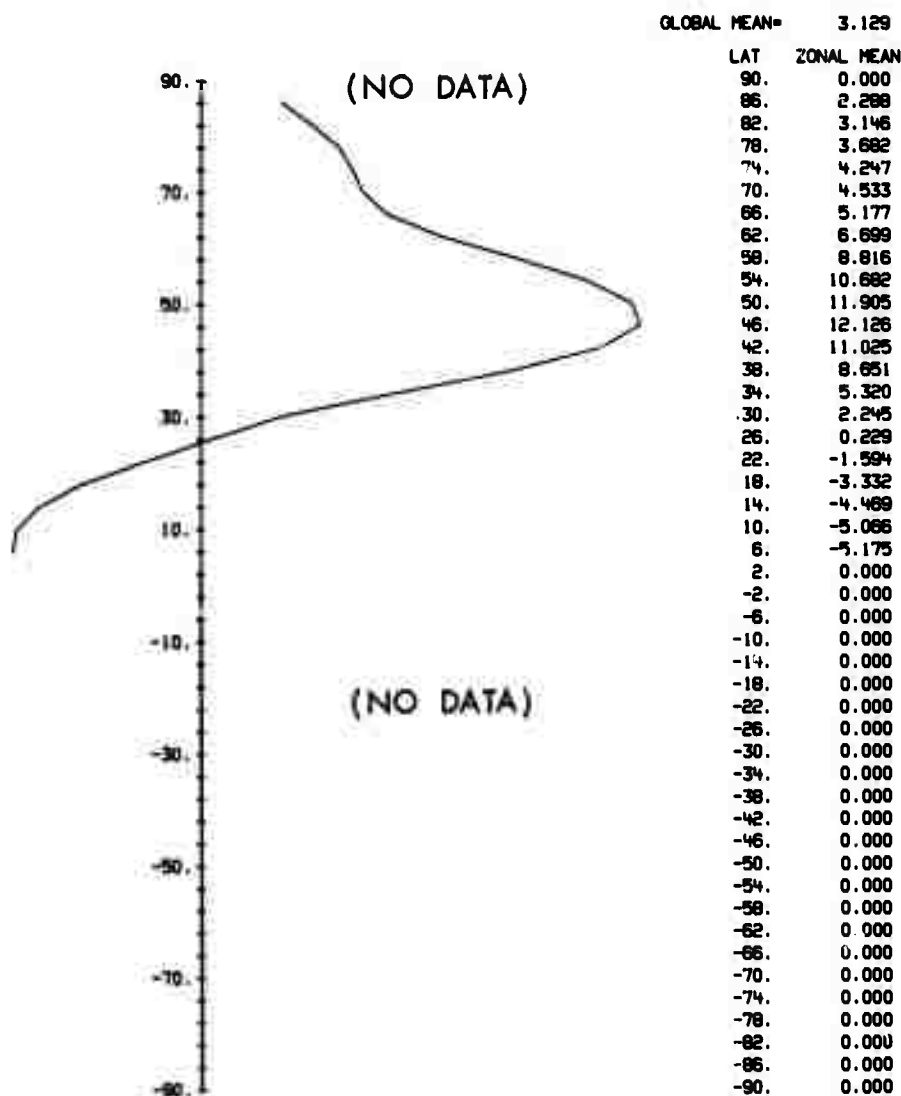


Fig. 4.21--June-July-August zonally averaged mean zonal wind at 400 mb (northern hemisphere only) in m sec^{-1} , as found from the data of Fig. 3.21. A positive value denotes wind *toward* the east. Values apply at latitudes 2 deg south of the indicated scale.

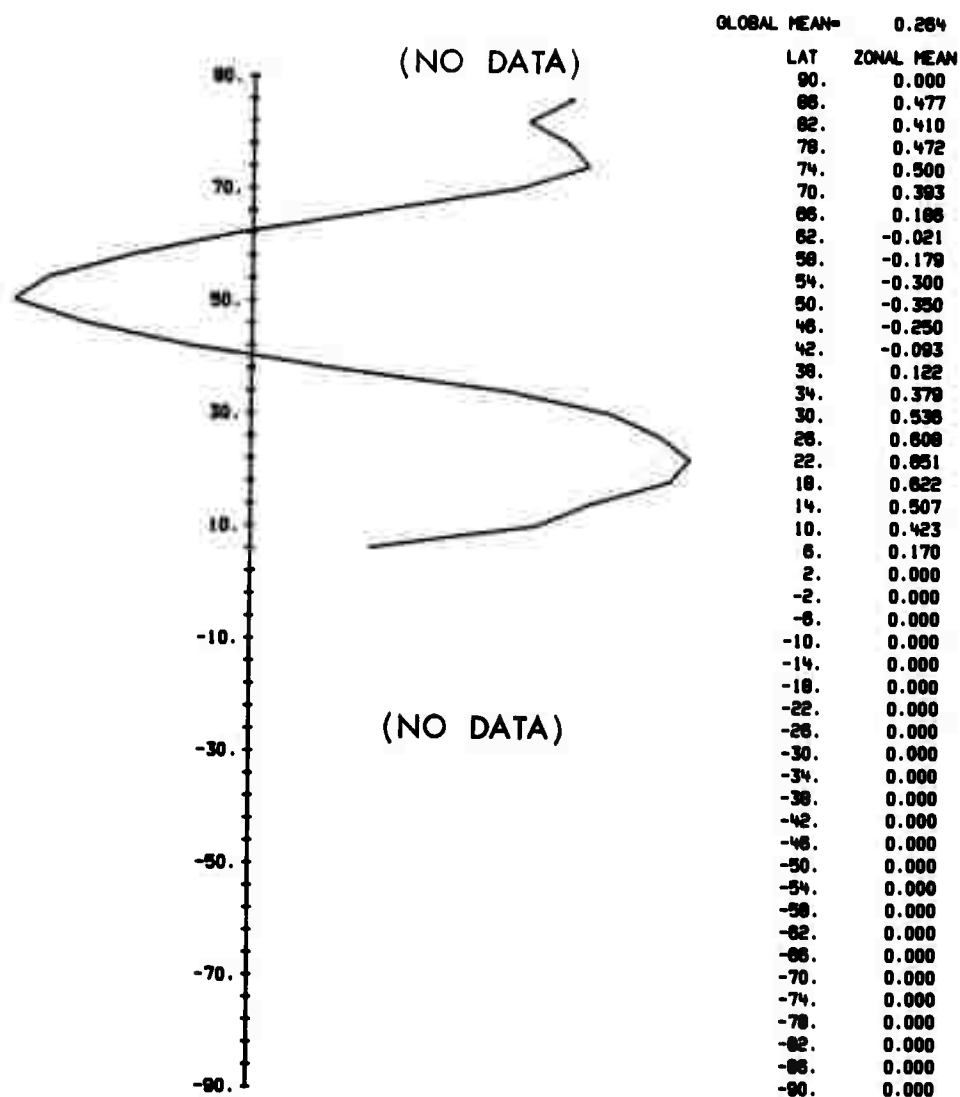


Fig. 4.22--June-July-August zonally averaged mean meridional wind at 400 mb (northern hemisphere only) in m sec^{-1} , as found the data of Fig. 3.22. A positive value denotes wind *toward* the north. Values apply at latitudes 2 deg south of the indicated scale.

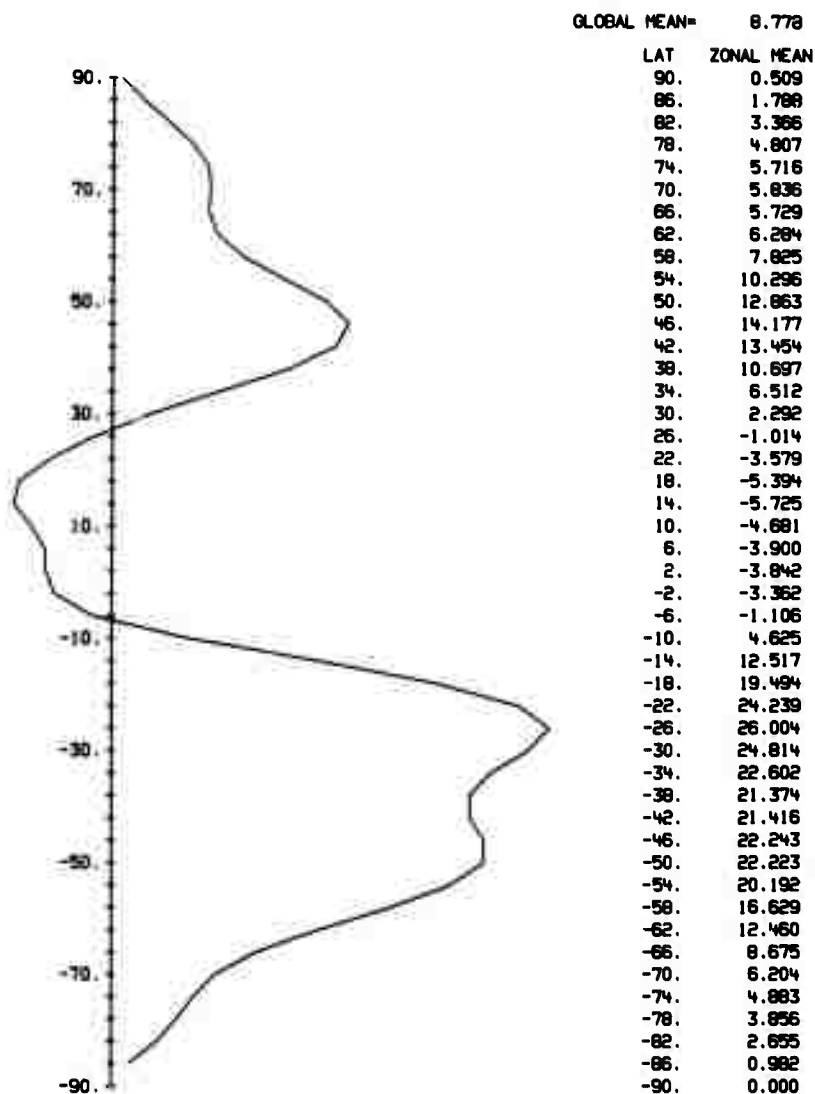


Fig. 4.23--July zonally averaged mean zonal geostrophic wind at 400 mb in m sec^{-1} , as found from the data of Fig. 3.23. A positive value denotes wind *toward* the east. The value at 90 deg south is fictitious, and the remaining values apply at latitudes 2 deg south of the indicated scale.

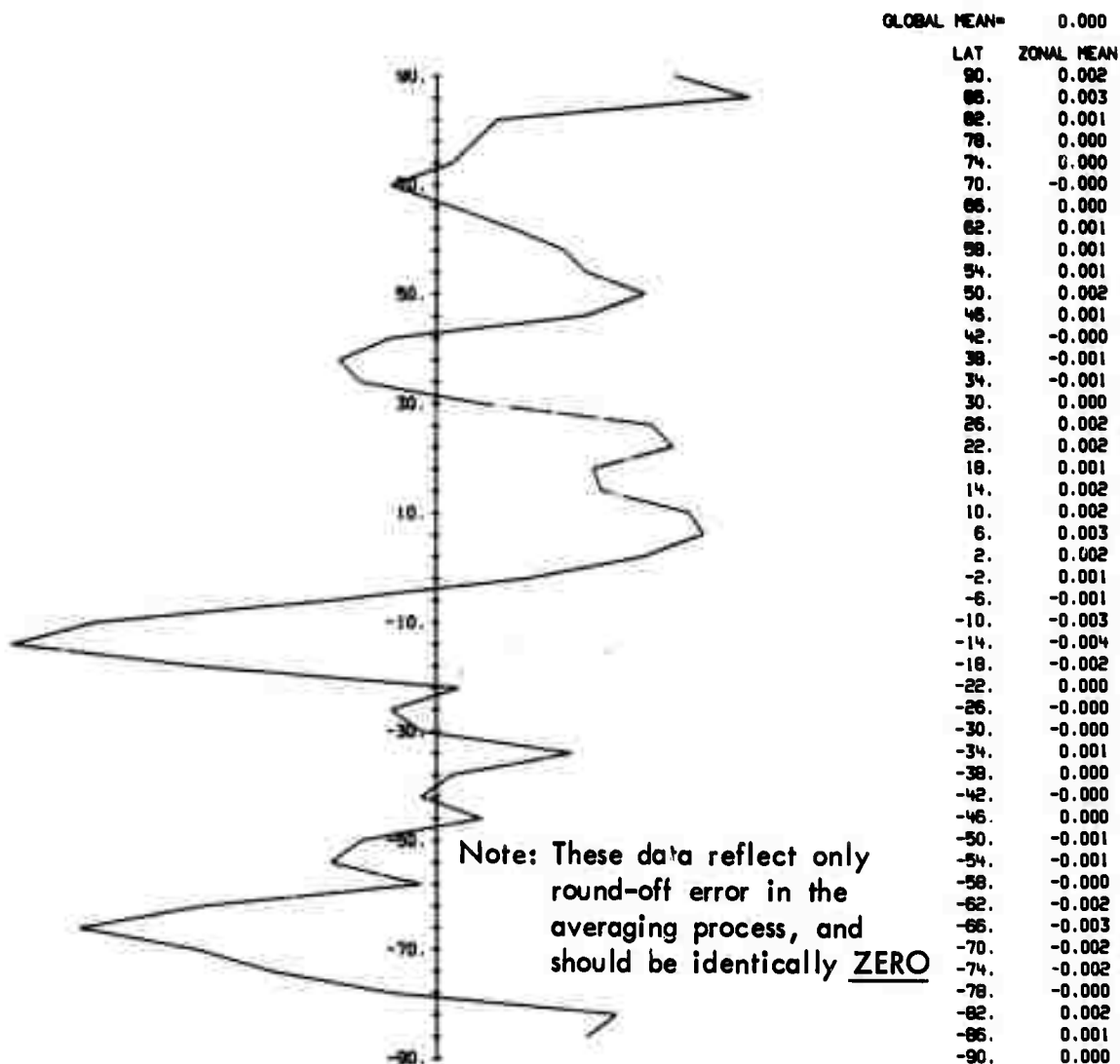


Fig. 4.24--July zonally averaged mean meridional geostrophic wind at 400 mb in m sec^{-1} , as found from the data of Fig. 3.24. A positive value denotes wind *toward* the north. The value at 90 deg south is fictitious, and the remaining values apply at latitudes 2 deg south of the indicated scale.

5. GLOBAL DATA TABULATIONS

Table 5.1

JULY SEA-LEVEL PRESSURE (mb)

	180W	175W	170W	165W	160W	155W	150W	145W	140W	135W	130W	125W	120W	115W	110W	105W	100W	95W
90N	1013.0	1013.0	1013.0	1013.0	1013.0	1013.0	1013.0	1013.0	1013.0	1013.0	1013.0	1013.0	1013.0	1013.0	1013.0	1013.0	1013.0	1013.0
86N	1013.0	1013.0	1013.0	1013.0	1013.0	1013.0	1013.0	1013.0	1013.0	1013.0	1013.0	1013.0	1013.0	1013.0	1013.0	1013.0	1013.0	1013.0
82N	1013.0	1013.0	1013.0	1013.0	1012.7	1012.7	1012.7	1012.7	1012.4	1012.1	1011.9	1011.9	1011.9	1011.5	1011.6	1012.5	1012.6	1012.6
78N	1012.8	1012.8	1012.3	1012.5	1012.5	1012.5	1012.5	1012.5	1012.2	1011.9	1011.9	1011.7	1011.7	1011.4	1011.4	1010.9	1010.3	1011.0
74N	1012.1	1012.1	1012.3	1012.3	1012.3	1012.3	1012.4	1012.5	1012.5	1012.5	1012.6	1012.1	1012.1	1012.1	1012.1	1011.7	1010.9	1010.6
70N	1010.5	1010.5	1011.0	1011.5	1011.5	1011.5	1012.0	1012.5	1012.5	1012.5	1013.0	1012.5	1012.5	1012.5	1012.5	1012.5	1012.0	1011.0
66N	1010.5	1010.6	1011.5	1011.5	1011.5	1011.5	1012.0	1012.5	1012.5	1012.5	1013.0	1012.5	1012.5	1012.5	1012.5	1012.5	1012.0	1010.9
62N	1010.6	1011.1	1011.1	1011.8	1012.4	1013.0	1013.8	1014.6	1014.9	1014.8	1014.6	1012.5	1011.7	1011.7	1010.9	1010.5	1010.0	1009.8
58N	1011.2	1011.7	1012.3	1013.0	1014.2	1015.0	1016.2	1017.2	1017.7	1017.4	1016.3	1015.2	1013.9	1012.5	1011.8	1010.6	1010.6	1010.3
54N	1011.8	1012.5	1014.0	1015.0	1016.4	1017.1	1018.6	1019.6	1020.1	1020.2	1018.5	1017.2	1015.9	1014.3	1013.5	1012.4	1011.8	1011.7
50N	1013.0	1014.5	1015.0	1017.0	1019.0	1022.5	1021.0	1022.0	1022.5	1023.0	1020.5	1018.0	1015.5	1015.5	1015.5	1014.0	1013.0	1012.5
45N	1015.4	1016.5	1013.0	1019.0	1020.4	1022.5	1023.5	1024.0	1024.1	1024.2	1021.3	1017.6	1016.3	1013.5	1014.7	1014.4	1013.4	1013.7
42N	1017.5	1018.8	1020.3	1021.6	1023.1	1024.2	1025.2	1025.4	1025.4	1025.4	1021.8	1016.6	1013.5	1012.7	1012.7	1013.9	1014.0	1014.5
38N	1019.5	1020.8	1022.5	1023.6	1024.5	1024.8	1025.4	1025.4	1025.4	1025.4	1022.0	1015.8	1012.3	1010.7	1010.1	1012.9	1013.3	1014.2
34N	1021.0	1021.9	1023.6	1024.1	1024.1	1024.1	1024.1	1024.1	1024.1	1024.1	1021.8	1015.2	1014.0	1009.0	1008.6	1011.8	1012.9	1014.5
30N	1021.0	1021.5	1022.5	1022.5	1022.5	1022.5	1022.5	1022.5	1022.5	1022.5	1021.0	1019.0	1016.0	1013.0	1011.0	1011.0	1012.5	1014.5
26N	1019.4	1019.5	1019.6	1020.1	1020.1	1020.1	1020.1	1020.1	1020.1	1020.1	1019.0	1016.0	1013.0	1011.0	1011.0	1011.0	1012.1	1014.5
22N	1017.5	1017.5	1017.5	1017.7	1017.7	1017.7	1017.7	1017.7	1017.7	1017.7	1017.0	1015.2	1013.9	1012.8	1011.8	1011.7	1012.9	1013.9
18N	1015.5	1015.5	1015.5	1015.5	1015.7	1015.7	1015.5	1015.5	1015.5	1015.5	1015.2	1014.9	1					

Table 5.1--Continued

	90M	85W	80W	75W	70W	55W	60W	55W	50W	45W	40W	35W	30W	25W	20W	15W	10W	5W
90N	1013.0	1013.0	1013.0	1013.0	1013.0	1013.0	1013.0	1013.0	1013.0	1013.0	1013.0	1013.0	1013.0	1013.0	1013.0	1013.0	1013.0	1013.0
86N	1012.6	1012.6	1012.6	1012.6	1012.6	1012.6	1012.6	1012.6	1012.6	1012.6	1012.6	1012.6	1012.6	1012.6	1012.6	1012.6	1012.6	1012.6
82N	1010.7	1010.7	1010.7	1010.7	1010.7	1010.7	1010.7	1010.7	1010.5	1010.5	1010.5	1010.5	1010.5	1010.5	1010.8	1011.1	1011.4	1011.7
78N	1010.1	1009.9	1009.7	1009.7	1009.5	1009.5	1009.5	1009.5	1009.3	1009.3	1009.7	1009.9	1009.9	1010.4	1010.6	1011.1	1011.5	1011.9
74N	1010.9	1009.4	1009.9	1009.8	1009.4	1009.4	1009.4	1009.3	1009.1	1009.5	1009.9	1009.4	1009.9	1010.4	1010.6	1011.1	1011.5	1012.2
70N	1010.5	1010.0	1009.5	1009.0	1009.0	1009.0	1009.0	1009.5	1009.5	1009.5	1009.5	1010.0	1010.5	1010.5	1010.5	1010.5	1010.5	1011.0
66N	1009.7	1009.2	1009.7	1008.2	1008.2	1008.5	1008.5	1009.5	1010.7	1009.9	1009.5	1009.6	1009.3	1009.3	1009.3	1009.3	1009.3	1009.8
62N	1009.5	1009.3	1008.8	1008.3	1008.3	1008.8	1009.5	1010.7	1010.6	1010.7	1010.4	1010.2	1009.9	1009.9	1009.9	1009.9	1010.1	1010.1
58N	1010.3	1009.9	1009.4	1008.7	1008.7	1009.7	1009.2	1009.7	1010.7	1011.5	1012.5	1012.4	1012.4	1012.1	1011.9	1011.7	1011.7	1011.5
54N	1011.9	1011.1	1010.9	1009.2	1009.2	1009.2	1009.8	1010.4	1011.6	1013.1	1014.5	1015.1	1015.4	1015.5	1015.1	1014.9	1014.2	1013.7
50N	1013.5	1013.5	1012.5	1011.5	1010.0	1010.0	1011.0	1012.0	1014.0	1015.5	1016.5	1017.5	1019.0	1019.5	1019.5	1018.5	1017.0	1016.5
46N	1013.9	1014.3	1013.7	1013.1	1012.8	1013.2	1013.8	1015.2	1017.2	1018.7	1020.1	1021.1	1022.6	1022.7	1022.3	1021.3	1019.8	1017.7
42N	1014.6	1015.1	1015.2	1014.7	1015.0	1015.3	1016.9	1018.4	1020.1	1021.9	1023.1	1023.5	1024.7	1024.4	1023.9	1022.0	1019.6	1018.5
38N	1015.2	1015.9	1016.4	1016.5	1017.0	1018.2	1019.5	1020.8	1022.5	1024.3	1025.3	1025.5	1025.9	1025.3	1024.3	1021.6	1019.2	1015.9
34N	1015.7	1015.5	1017.2	1018.1	1018.7	1020.1	1021.5	1022.2	1023.9	1025.5	1026.4	1026.5	1026.5	1025.0	1024.3	1020.5	1018.8	1015.5
30N	1016.5	1017.0	1018.0	1018.5	1019.5	1020.5	1021.5	1023.0	1023.5	1025.5	1026.0	1024.5	1023.5	1022.5	1020.5	1018.5	1016.0	1011.5
26N	1015.5	1017.0	1017.2	1017.7	1018.3	1019.7	1020.7	1021.8	1022.3	1023.9	1023.6	1022.5	1021.1	1019.7	1017.7	1014.9	1012.4	1009.1
22N	1015.9	1015.1	1015.8	1016.3	1017.1	1018.0	1019.0	1020.5	1021.1	1020.9	1020.2	1018.7	1017.2	1017.2	1015.2	1012.5	1010.5	1003.8
18N	1014.1	1014.3	1014.2	1014.7	1015.3	1015.8	1017.0	1018.2	1019.1	1018.7	1018.7	1018.0	1016.7	1015.2				

	0E	5E	10E	15E	20E	25E	30E	35E	40E	45E	50E	55E	60E	65E	70E	75E	80E	85E
90N	1013.0	1013.0	1013.0	1013.0	1013.0	1013.0	1013.0	1013.0	1013.0	1013.0	1013.0	1013.0	1013.0	1013.0	1013.0	1013.0	1013.0	1013.0
86N	1012.2	1012.2	1012.2	1012.2	1012.6	1012.5	1012.5	1012.6	1012.6	1012.6	1012.6	1012.6	1012.6	1012.6	1012.6	1012.6	1012.6	1012.6
82N	1011.7	1012.0	1012.0	1012.0	1012.5	1012.5	1012.5	1012.5	1012.5	1012.5	1012.5	1012.5	1012.5	1012.5	1012.2	1012.2	1012.2	1011.9
78N	1011.9	1012.2	1012.2	1012.2	1012.5	1012.5	1012.5	1012.1	1012.1	1011.9	1011.9	1011.7	1011.7	1011.4	1011.4	1011.4	1011.6	1011.1
74N	1012.3	1012.3	1012.4	1012.4	1012.5	1012.5	1012.1	1011.7	1011.7	1011.3	1011.2	1010.6	1010.4	1010.3	1010.4	1010.3	1010.6	1010.2
70N	1011.5	1011.5	1012.0	1012.0	1012.5	1012.5	1012.5	1012.5	1012.5	1012.5	1012.0	1011.0	1010.0	1009.5	1009.5	1009.5	1009.0	1009.0
66N	1010.3	1010.7	1011.1	1011.2	1011.5	1011.7	1011.7	1011.7	1011.7	1011.3	1011.2	1010.6	1010.0	1009.5	1009.1	1008.7	1008.2	1007.8
62N	1010.6	1010.8	1011.0	1011.0	1011.5	1011.5	1011.5	1011.2	1011.2	1010.7	1010.4	1009.9	1009.4	1008.9	1008.4	1007.6	1007.4	1007.2
58N	1011.8	1011.8	1011.8	1011.8	1012.1	1011.9	1011.7	1011.2	1011.0	1010.5	1009.8	1009.3	1008.8	1008.3	1007.6	1007.0	1006.5	1006.6
54N	1013.6	1013.5	1013.6	1013.6	1013.4	1012.9	1012.3	1011.5	1011.0	1010.4	1009.5	1009.0	1008.5	1007.9	1006.8	1006.8	1005.8	1005.8
50N	1016.0	1015.0	1015.0	1015.0	1014.5	1014.5	1013.5	1011.5	1011.0	1010.3	1009.5	1009.0	1008.5	1007.5	1006.0	1006.0	1005.0	1005.8
45N	1015.8	1015.9	1015.6	1015.2	1014.2	1014.1	1012.7	1011.1	1010.2	1009.5	1009.1	1008.6	1007.7	1006.3	1005.2	1004.8	1004.5	1003.8
42N	1016.4	1016.0	1015.5	1014.4	1012.8	1012.2	1010.1	1009.2	1008.8	1008.6	1008.1	1007.0	1006.3	1004.3	1003.8	1002.7	1002.7	1002.0
38N	1015.2	1015.0	1015.1	1014.2	1012.4	1010.3	1008.5	1007.4	1005.8	1004.3	1004.5	1003.8	1003.7	1002.4	1001.2	999.9	1000.1	1000.4
34N	1013.1	1012.6	1013.7	1014.2	1013.1	1010.7	1008.4	1006.2	1002.3	999.7	999.4	999.5	999.8	999.0	997.8	997.1	997.7	999.2
30N	1009.5	1009.0	1010.0	1013.0	1013.5	1011.5	1008.0	1005.0	1001.5	998.5	997.0	995.5	995.0	995.0	995.0	995.5	996.5	998.0
25N	1006.7	1005.4	1003.1	1011.0	1012.7	1012.3	1008.4	1003.1	1000.2	999.1	997.4	995.7	996.6	996.6	997.4	997.5	999.2	998.4
22N	1006.9	1005.7	1006.6	1008.7	1010.1	1010.1	1007.6	1004.1	1001.2	999.9	998.1	996.8	1000.0	1000.0	1001.0	1000.4	999.7	999.1
18N	1008.1	1007.5	1007.2	1007.9	1008.3	1008.1	1007.0	1005.7	1003.6	999.7	999.7	1001.6	1003.6	1004.4	1004.2	1003.4	1001.5	

	90E	95E	100E	105E	110E	115E	120E	125E	130E	135E	140E	145E	150E	155E	160E	165E	170E	175E
90N	1013.0	1013.0	1013.0	1013.0	1013.0	1013.0	1013.0	1013.0	1013.0	1013.0	1013.0	1013.0	1013.0	1013.0	1013.0	1013.0	1013.0	1013.0
86N	1012.6	1012.6	1012.6	1012.6	1012.6	1012.6	1012.6	1012.6	1012.6	1012.6	1012.6	1012.6	1012.6	1012.6	1012.6	1012.6	1012.6	1012.6
82N	1011.9	1011.9	1011.6	1011.6	1011.6	1011.6	1011.6	1011.6	1011.9	1011.9	1011.9	1012.2	1012.2	1012.7	1012.7	1013.0	1013.0	1013.0
78N	1011.1	1010.9	1010.6	1010.6	1010.6	1010.4	1010.4	1010.4	1010.9	1011.2	1011.2	1011.2	1011.2	1011.7	1011.9	1012.4	1012.6	1012.6
74N	1010.1	1009.9	1009.6	1009.6	1009.6	1009.2	1009.2	1009.2	1009.6	1009.7	1009.7	1009.7	1009.7	1010.1	1010.6	1011.0	1011.5	1011.6
70N	1008.5	1008.5	1008.0	1008.0	1008.0	1008.0	1008.0	1008.0	1008.0	1008.5	1008.5	1008.5	1008.5	1008.5	1009.0	1009.5	1010.0	1010.0
66N	1007.7	1007.3	1007.2	1007.2	1007.2	1007.2	1007.2	1007.2	1007.2	1007.3	1007.3	1007.3	1007.7	1007.7	1007.8	1008.2	1008.7	1009.6
62N	1006.5	1006.4	1006.4	1006.4	1006.4	1006.4	1006.4	1006.4	1006.4	1006.4	1006.4	1006.4	1007.0	1007.5	1007.8	1008.6	1009.1	1010.1
58N	1005.1	1005.6	1005.6	1005.6	1005.6	1005.6	1005.6	1005.6	1005.6	1005.3	1006.0	1007.0	1007.5	1007.9	1008.6	1009.4	1009.7	1010.7
54N	1005.3	1004.3	1004.7	1004.7	1004.7	1004.7	1004.7	1004.7	1004.8	1005.4	1006.0	1007.1	1007.7	1008.7	1009.6	1010.2	1010.3	1011.2
50N	1004.5	1004.0	1003.5	1003.5	1003.5	1003.5	1003.5	1003.5	1004.0	1005.0	1006.0	1007.5	1008.5	1009.5	1010.0	1011.0	1011.5	1012.0
46N	1003.3	1003.2	1003.1	1003.1	1003.1	1003.5	1003.5	1003.5	1004.0	1005.0	1006.0	1007.2	1008.3	1009.3	1010.3	1011.8	1012.7	1014.4
42N	1002.1	1002.4	1002.4	1002.4	1003.0	1003.3	1004.1	1004.4	1005.7	1007.4	1009.1	1009.1	1010.1	1011.1	1012.2	1013.5	1014.8	1016.2
38N	1000.9	1001.9	1002.0	1003.0	1003.9	1004.9	1005.6	1007.1	1008.4	1009.1	1010.8	1011.1	1012.1	1013.0	1013.8	1014.3	1016.8	1018.2
34N	999.9	1001.4	1002.0	1002.0	1003.0	1004.5	1005.6	1006.6	1008.2	1009.2	1010.2	1011.3	1013.0	1014.5	1015.8	1016.8	1018.3	1020.1
30N	999.5	1001.0	1002.0	1003.0	1004.5	1006.5	1007.3	1008.7	1009.6	1009.1	1009.5	1010.3	1011.3	1011.3	1011.7	1012.2	1012.6	1013.1
26N	999.5	1001.8	1003.0	1003.2	1003.4	1004.5	1006.0	1007.0	1009.0	1010.0	1011.0	1012.5	1015.0	1016.5	1017.0	1018.0	1019.5	1020.5
22N	1000.7	1003.5	1004.9	1003.5	1005.1	1006.9	1006.9	1008.1	1009.5	1010.4	1011.2	1011.9	1013.3	1014.3	1015.8	1016.8	1017.3	1018.9
18N	1002.9	1005.7	1006.3	1004.5	1004.3	1005.1	1007.9	1008.9	1009.3	1010.1	1010.8	1011.1	1012.					

Table 5.2

	180W	175W	170W	165W	160W	155W	150W	145W	140W	135W	130W	125W	120W	115W	110W	105W	100W	95W
90N	3.60	3.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.50	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60
86N	-0.12	-0.04	-0.04	0.04	0.20	0.36	3.60	0.92	1.16	1.32	1.72	1.98	2.12	2.28	2.53	3.00	3.16	3.24
82N	-0.54	-0.44	-0.38	-0.28	-0.14	-0.00	3.18	0.52	0.76	1.14	1.46	1.88	2.20	2.28	2.96	3.72	4.16	4.68
78N	-0.30	-0.12	0.06	0.16	0.30	0.44	0.50	0.76	0.92	1.22	1.46	2.28	2.84	2.96	3.28	3.60	4.00	4.92
74N	0.92	1.18	1.54	1.76	2.12	2.56	2.52	2.46	2.56	2.68	3.00	4.08	5.00	5.00	4.74	4.00	3.86	4.70
70N	3.40	3.50	4.10	4.80	5.80	7.20	7.00	5.90	6.00	6.50	7.00	7.20	7.40	7.40	7.70	6.80	5.70	5.50
66N	8.60	5.34	6.02	8.56	11.56	12.96	13.72	13.66	13.76	14.20	14.28	13.68	12.28	11.88	11.30	10.48	9.62	8.62
62N	7.50	5.86	7.04	10.04	12.70	13.68	13.96	13.34	13.72	14.42	15.20	15.84	15.18	14.44	14.24	12.96	12.04	10.78
58N	6.34	6.42	7.56	9.84	11.54	12.16	12.28	11.78	12.12	13.34	14.32	15.48	16.06	16.12	16.16	15.12	14.08	13.14
54N	7.28	7.52	8.08	9.14	10.14	10.64	11.22	11.56	11.72	13.32	14.06	14.64	15.16	17.12	17.36	17.36	16.52	16.16
50N	8.40	8.80	9.20	9.70	10.30	10.80	11.30	11.40	11.80	13.00	14.70	15.60	13.00	14.80	18.30	19.60	19.80	19.60
46N	10.96	11.44	12.00	12.34	12.78	13.12	13.45	13.55	13.88	14.44	15.74	17.28	19.88	21.20	20.96	21.34	22.68	22.00
42N	15.56	16.00	16.30	16.48	16.52	16.52	15.58	16.32	16.26	15.30	16.48	17.82	21.24	22.06	24.32	22.70	24.66	24.52
38N	19.80	20.04	20.06	20.00	19.76	19.44	19.14	18.56	18.16	17.82	17.32	17.78	20.52	26.06	26.40	23.14	26.26	26.80
34N	22.68	22.68	22.58	22.30	21.96	21.40	20.70	19.96	19.32	18.82	18.32	17.76	19.42	30.64	26.96	24.40	27.80	28.32
30N	24.60	24.60	24.50	24.30	23.80	23.00	21.90	21.00	20.20	19.70	19.20	18.40	17.90	24.00	28.30	28.00	29.40	28.40
26N	25.56	25.48	25.35	25.18	24.68	24.04	22.70	21.95	21.40	20.90	20.32	19.92	19.66	22.08	30.16	25.28	25.68	28.24
22N	26.76	26.66	26.33	26.00	25.38	24.54	23.14	22.66	22.60	22.40	21.92	21.74	22.02	23.04	27.82	26.70	20.00	28.14
18N	27.76	27.70	27.42	26.72	25.98	25.18	24.44	24.26	23.88	23.88	23.76	23.94	24.46	25.43	26.32	28.16	20.88	28.10
14N	28.38	28.36	28.24	27.36	26.60	26.14	25.68	25.38	25.16	25.20	25.52	25.96	26.22	27.62	28.30	28.08	28.14	28.12
10N	28.70	28.60	28.40	28.00	27.40	27.10	26.80	26.50	26.20	26.40	26.80	26.60	26.30	27.30	27.20	27.20	27.90	28.20
6N	28.62	2																

Table 5.2---Continued

	90M	85M	80M	75M	70M	65M	60M	55M	50M	45M	40M	35M	30M	25M	20M	15M	10M	5M
90N	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.50	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60
86N	3.32	3.40	3.40	3.40	3.40	3.48	3.40	3.40	3.40	3.40	3.32	3.24	3.16	3.00	2.34	2.76	2.52	2.44
82N	5.08	5.24	5.06	4.58	3.92	3.00	1.52	0.80	0.62	0.68	1.12	1.20	0.32	0.96	2.62	3.24	3.72	3.74
78N	5.92	6.08	5.94	5.58	5.00	4.04	2.40	0.83	-2.62	-4.24	-5.28	-4.40	-3.54	-0.48	2.90	3.72	4.44	4.58
74N	5.94	6.22	6.30	6.28	6.30	6.60	6.66	5.08	-2.54	-8.14	-12.02	-10.08	-5.84	0.36	4.08	4.68	5.02	5.36
70N	5.30	6.30	6.30	5.00	4.30	5.80	3.10	8.20	3.30	-7.90	-12.10	-9.60	-4.80	1.80	4.00	5.40	5.90	6.80
66N	8.10	7.98	6.86	6.12	7.42	4.23	5.78	8.20	4.02	-3.90	2.46	4.00	5.76	8.04	9.04	9.24	8.94	9.28
62N	10.42	9.72	7.72	7.96	9.52	5.16	5.50	7.36	6.66	3.76	7.48	8.48	9.42	10.56	11.14	11.16	10.90	10.98
58N	12.82	12.08	10.64	10.72	11.88	9.16	8.94	8.32	8.50	8.76	9.00	9.88	10.94	12.00	12.54	12.60	12.66	12.78
54N	15.36	14.74	14.72	13.92	14.64	14.18	13.42	11.48	9.52	10.26	10.30	11.76	12.82	13.62	14.18	14.24	14.52	14.68
50N	17.60	16.50	16.40	16.40	16.80	15.30	13.90	15.00	12.40	14.90	14.40	15.20	15.30	15.30	15.70	16.00	16.20	15.80
46N	20.80	18.50	18.96	19.63	18.56	16.42	15.58	15.08	14.80	16.02	13.00	18.48	18.10	17.85	17.78	17.63	17.40	17.32
42N	23.58	21.70	21.94	22.66	20.02	20.12	21.20	19.78	19.66	20.10	20.94	21.04	20.36	19.82	19.32	19.00	19.63	21.00
38N	25.66	24.50	24.50	24.78	22.93	23.64	23.88	23.55	23.30	23.10	24.02	22.76	21.92	21.26	20.52	20.00	21.16	23.92
34N	27.00	26.34	26.40	26.08	26.54	25.82	25.84	25.00	24.74	24.44	24.02	23.74	22.82	22.22	21.48	20.76	21.52	26.80
30N	27.80	27.70	28.00	27.20	27.10	27.10	26.60	26.20	25.70	25.00	24.50	24.30	23.30	22.70	22.20	21.40	22.00	34.00
26N	28.28	28.26	27.76	27.28	27.42	27.42	27.16	26.92	26.26	25.55	24.90	24.54	23.70	23.10	22.36	21.30	33.60	37.68
22N	27.20	28.34	28.00	27.60	27.26	27.32	27.24	27.28	26.76	25.83	25.24	24.84	24.16	23.56	22.76	25.14	35.96	37.46
18N	23.24	27.14	28.24	28.00	27.50	27.16	26.72	27.32	27.04	26.20	25.56	25.20	24.76	24.36	24.20	27.58	32.88	33.78
14N	20.36	24.92	28.16	27.98	27.08	26.34	26.16	27.22	27.12	26.56	25.82	25.62	25.46	25.42	26.10	27.58	28.18	28.68
10N	27.80	23.00	27.60	26.70	23.00	25.80	25.80	27.30	27.20	26.80	26.20	26.10	26.10	26.30	26.50	25.90	25.70	25.80
6N	26.20	25.64	27.12	19.10	24.													

Table 5.2--Continued

	OF	5E	10E	15E	20E	25E	30E	35E	40E	45E	50E	55E	60E	65E	70E	75E	80E	85E
90N	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.50	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60
86N	2.36	2.12	2.04	1.80	1.64	1.48	1.08	0.84	0.56	0.44	0.20	0.04	0.04	0.04	0.60	-0.04	0.50	0.60
82N	3.76	3.58	3.54	3.36	3.22	2.94	2.34	1.92	1.72	1.42	1.06	0.80	0.74	0.50	0.56	0.52	0.66	-0.04
78N	4.76	4.82	4.70	4.48	4.14	3.84	3.62	3.36	3.20	2.94	2.62	2.16	1.82	1.50	1.68	1.76	1.82	0.52
74N	5.84	6.42	6.32	6.14	5.64	5.74	5.72	-5.44	5.02	4.80	4.60	4.10	3.48	3.22	3.52	4.08	4.56	2.12
70N	8.00	9.70	10.40	11.10	11.40	11.50	11.00	9.20	7.50	7.20	7.40	7.30	7.00	6.50	6.40	8.80	10.30	5.24
66N	10.03	11.22	12.08	13.34	14.58	15.34	14.92	12.56	13.50	12.80	12.68	12.50	12.60	13.34	13.36	13.92	14.72	11.00
62N	11.92	13.40	14.54	15.46	16.28	16.96	17.28	14.94	15.78	16.06	15.92	15.72	15.74	16.24	16.38	16.52	16.92	15.24
58N	13.44	15.08	16.42	16.98	17.20	17.64	18.16	16.88	17.38	18.22	18.32	18.08	17.32	17.84	18.06	18.38	18.36	17.14
54N	14.96	16.18	17.36	17.74	18.08	18.34	18.50	18.52	19.48	20.28	20.36	20.64	20.20	20.10	19.56	19.58	20.06	19.38
50N	17.20	17.70	18.00	17.90	19.20	19.70	20.50	19.80	21.40	23.00	24.30	24.40	24.20	23.70	21.50	21.50	22.30	18.50
46N	19.04	20.98	21.92	22.86	22.24	19.94	21.84	21.56	23.48	25.40	25.42	26.48	25.40	25.14	24.14	23.74	21.26	23.22
42N	22.38	22.88	22.36	24.82	24.63	22.40	22.74	21.56	21.42	24.40	25.40	26.44	28.40	27.54	25.52	21.78	23.40	25.54
38N	24.98	26.28	24.00	25.46	26.12	24.88	25.10	23.38	24.52	28.10	25.56	29.16	28.44	28.54	25.98	20.14	21.32	21.06
34N	27.92	31.12	28.00	26.24	27.02	26.58	27.94	27.92	31.22	33.90	27.40	28.96	26.24	28.40	27.40	22.62	16.04	14.16
30N	35.60	34.40	32.00	28.40	28.70	28.10	27.30	29.20	28.10	33.10	33.00	29.60	28.00	30.00	34.20	32.30	17.00	18.00
26N	37.76	30.80	29.92	30.48	30.82	30.42	33.10	32.24	26.58	31.82	34.52	31.84	29.20	29.36	32.44	29.58	27.56	26.48
22N	36.44	30.68	30.90	31.36	30.86	31.96	32.12	33.66	29.56	27.78	33.24	32.28	28.40	28.30	29.48	26.74	28.00	28.10
18N	32.96	30.56	30.90	31.08	30.62	30.76	31.96	31.78	30.58	23.25	30.74	30.12	27.48	27.54	27.48	23.90	27.40	28.10
14N	28.92	28.36	28.12	29.48	29.54	27.54	29.42	27.16	27.60	21.90	28.88	27.04	26.90	27.26	27.18	22.72	28.68	28.06
10N	26.20	25.90	23.00	26.20	25.70	25.70	25.50	22.60	22.00	28.20	30.30	27.20	26.50	27.10	27.90	26.40	29.00	27.90
6N	24.9																	

Table 5.2--Continued

	90N	86N	82N	78N	74N	70N	66N	62N	58N	54N	50N	46N	42N	38N	34N	30N	26N	22N	18N	14N	10N	6N	2N	2S	6S	10S	14S	18S	22S	26S	30S	34S	38S	42S	46S	50S	54S	58S	62S	66S	70S	74S	78S	82S	86S	90S
90E	0.60	-0.04	0.64	2.44	5.80	11.80	15.40	17.14	13.30	17.92	12.90	13.86	20.04	15.52	7.724	15.00	25.40	27.94	27.86	27.76	27.50	27.44	27.16	27.12	27.08	26.20	26.28	22.74	18.18	15.70	13.86	11.66	9.22	6.52	3.40	0.20	-3.84	-9.20	-20.00	-44.00	-57.60	-62.06	-58.30			
95E	0.60	-0.04	0.88	2.90	6.12	14.00	15.73	17.24	14.00	17.36	13.40	14.24	18.96	17.60	10.72	13.50	21.50	26.74	26.74	28.26	28.10	28.26	28.10	28.04	27.30	27.10	26.70	25.34	23.04	20.80	18.36	15.80	13.88	11.40	8.52	5.40	3.20	0.28	-3.80	-9.20	-20.00	-47.00	-59.00	-62.06	-58.30	
100E	0.60	-0.12	1.20	3.36	6.92	14.00	15.48	17.18	14.00	17.36	13.40	14.24	18.96	17.60	10.72	13.50	21.50	26.74	26.74	28.26	28.10	28.26	28.10	28.04	27.30	27.10	26.70	25.34	23.30	20.80	18.36	15.80	13.88	11.40	8.52	5.40	3.20	0.28	-3.80	-9.20	-20.00	-47.00	-59.00	-62.06	-58.30	
105E	0.60	-0.12	1.32	3.56	7.04	14.00	15.48	17.18	14.00	17.36	13.40	14.24	18.96	17.60	10.72	13.50	21.50	26.74	26.74	28.26	28.10	28.26	28.10	28.04	27.30	27.10	26.70	25.34	23.30	20.80	18.36	15.80	13.88	11.40	8.52	5.40	3.20	0.28	-3.80	-9.20	-20.00	-47.00	-59.00	-62.06	-58.30	
110E	0.60	-0.12	1.42	3.56	7.04	14.00	15.48	17.18	14.00	17.36	13.40	14.24	18.96	17.60	10.72	13.50	21.50	26.74	26.74	28.26	28.10	28.26	28.10	28.04	27.30	27.10	26.70	25.34	23.30	20.80	18.36	15.80	13.88	11.40	8.52	5.40	3.20	0.28	-3.80	-9.20	-20.00	-47.00	-59.00	-62.06	-58.30	
115E	0.60	-0.12	1.42	3.56	7.04	14.00	15.48	17.18	14.00	17.36	13.40	14.24	18.96	17.60	10.72	13.50	21.50	26.74	26.74	28.26	28.10	28.26	28.10	28.04	27.30	27.10	26.70	25.34	23.30	20.80	18.36	15.80	13.88	11.40	8.52	5.40	3.20	0.28	-3.80	-9.20	-20.00	-47.00	-59.00	-62.06	-58.30	
120E	0.60	-0.12	1.44	3.66	7.34	12.70	15.30	17.02	14.00	17.36	13.40	14.24	18.96	17.60	10.72	13.50	21.50	26.74	26.74	28.26	28.10	28.26	28.10	28.04	27.30	27.10	26.70	25.34	23.30	20.80	18.36	15.80	13.88	11.40	8.52	5.40	3.20	0.28	-3.80	-9.20	-20.00	-47.00	-59.00	-62.06	-58.30	
125E	0.60	-0.12	0.96	3.56	7.33	12.00	16.82	18.12	14.00	17.36	13.40	14.24	18.96	17.60	10.72	13.50	21.50	26.74	26.74	28.26	28.10	28.26	28.10	28.04	27.30	27.10	26.70	25.34	23.30	20.80	18.36	15.80	13.88	11.40	8.52	5.40	3.20	0.28	-3.80	-9.20	-20.00	-47.00	-59.00	-62.06	-58.30	
130E	0.60	-0.20	0.68	3.12	6.96	12.00	15.52	17.76	14.00	17.36	13.40	14.24																																		

Table 5.3

	180W	175W	170W	165W	160W	155W	150W	145W	140W	135W	130W	125W	120W	115W	110W	105W	100W	95W
90N	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
86N	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
82N	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
78N	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
74N	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
70N	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
66N	5.5	6.5	5.9	7.2	3.9	10.6	11.0	11.4	12.0	12.5	13.0	13.5	14.0	14.5	15.0	15.5	16.0	16.5
62N	6.5	7.1	7.5	3.0	9.4	10.8	11.4	12.0	12.6	13.0	13.6	14.1	14.7	15.2	15.7	16.2	16.7	17.2
58N	7.4	7.8	3.2	3.0	9.4	10.8	11.4	12.0	12.6	13.0	13.6	14.1	14.7	15.2	15.7	16.2	16.7	17.2
54N	8.7	8.9	9.2	9.5	9.6	10.5	11.5	12.2	12.6	13.0	13.6	14.1	14.7	15.2	15.7	16.2	16.7	17.2
50N	10.6	10.7	10.9	11.4	11.9	12.5	13.0	13.2	13.6	14.1	14.5	15.0	15.4	15.8	16.2	16.6	17.0	17.4
46N	14.6	15.4	15.6	15.7	15.8	15.9	16.0	16.1	16.2	16.3	16.4	16.5	16.6	16.7	16.8	16.9	17.0	17.1
42N	19.5	19.6	19.7	19.5	19.4	19.3	19.2	19.1	19.0	18.9	18.8	18.7	18.6	18.5	18.4	18.3	18.2	18.1
38N	22.8	22.6	22.6	22.6	22.4	22.3	22.2	22.1	22.0	21.9	21.8	21.7	21.6	21.5	21.4	21.3	21.2	21.1
34N	25.5	25.2	24.9	24.7	24.5	24.2	23.5	22.6	21.6	20.6	19.6	18.6	17.6	16.6	15.6	14.6	13.6	12.6
30N	27.2	26.9	26.5	25.9	25.4	24.9	24.3	23.7	23.0	22.3	21.6	20.9	20.2	19.5	18.8	18.1	17.4	16.7
26N	27.9	27.7	27.3	26.7	26.1	25.6	25.1	24.3	23.9	23.3	22.8	22.3	21.7	21.2	20.7	20.2	19.7	19.2
22N	28.3	28.1	27.8	27.2	26.6	26.1	25.7	25.4	25.0	24.7	24.3	23.9	23.5	23.1	22.7	22.3	21.9	21.5
18N	28.6	28.5	28.3	27.8	27.2	26.6	26.1	25.4	25.0	24.7	24.3	23.9	23.5	23.1	22.7	22.3	21.9	21.5
14N	28.9	28.8	28.6	28.1	27.5	26.9	26.3	25.7	25.1	24.5	23.9	23.3	22.7	22.1	21.5	20.9	20.3	19.7
10N	29.2	29.0	28.8	28.3	27.7	27.1	26.5	25.9	25.3	24.7	24.1	23.5	22.9	22.3	21.7	21.1	20.5	19.9
6N	29.5	29.3	29.1	28.6	28.0	27.4	26.8	26.2	25.6	25.0	24.4	23.8	23.2	22.6	22.0	21.4	20.8	20.2
2N	29.8	29.6	29.4	28.9	28.3	27.7	27.1	26.5	25.9	25.3	24.7	24.1	23.5	22.9	22.3	21.7	21.1	20.5
2S	29.9	29.7	29.5	29.0	28.4	27.8	27.2	26.6	26.0	25.4	24.8	24.2	23.6	23.0	22.4	21.8	21.2	20.6
6S	30.2	30.0	29.8	29.3	28.7													

Table 5.3--Continued

[illegible]

Table 5.3--Continued

	0E	5E	10E	15E	20E	25E	30E	35E	40E	45E	50E	55E	60E	65E	70E	75E	80E	85E
90N	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I
86N	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I
82N	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I
78N	2.4	3.6	5.5	7.3	9.7	12.0	14.4	16.8	19.2	21.6	24.0	26.4	28.8	31.2	33.6	36.0	38.4	40.8
74N	5.3	5.3	7.3	7.6	9.7	12.0	14.4	16.8	19.2	21.6	24.0	26.4	28.8	31.2	33.6	36.0	38.4	40.8
70N	8.9	9.7	11.9	13.4	15.4	17.9	20.4	22.9	25.4	27.9	30.4	32.9	35.4	37.9	40.4	42.9	45.4	47.9
66N	9.5	12.3	15.1	17.9	20.7	23.5	26.3	29.1	31.9	34.7	37.5	40.3	43.1	45.9	48.7	51.5	54.3	57.1
62N	11.4	12.3	13.3	14.3	15.3	16.3	17.3	18.3	19.3	20.3	21.3	22.3	23.3	24.3	25.3	26.3	27.3	28.3
58N	12.9	12.9	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3
54N	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3
50N	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3
46N	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3
42N	24.3	24.3	24.3	24.3	24.3	24.3	24.3	24.3	24.3	24.3	24.3	24.3	24.3	24.3	24.3	24.3	24.3	24.3
38N	22.3	24.3	24.3	24.3	24.3	24.3	24.3	24.3	24.3	24.3	24.3	24.3	24.3	24.3	24.3	24.3	24.3	24.3
34N	22.3	24.3	24.3	24.3	24.3	24.3	24.3	24.3	24.3	24.3	24.3	24.3	24.3	24.3	24.3	24.3	24.3	24.3
30N	22.3	24.3	24.3	24.3	24.3	24.3	24.3	24.3	24.3	24.3	24.3	24.3	24.3	24.3	24.3	24.3	24.3	24.3
26N	22.3	24.3	24.3	24.3	24.3	24.3	24.3	24.3	24.3	24.3	24.3	24.3	24.3	24.3	24.3	24.3	24.3	24.3
22N	22.3	24.3	24.3	24.3	24.3	24.3	24.3	24.3	24.3	24.3	24.3	24.3	24.3	24.3	24.3	24.3	24.3	24.3
18N	22.3	24.3	24.3	24.3	24.3	24.3	24.3	24.3	24.3	24.3	24.3	24.3	24.3	24.3	24.3	24.3	24.3	24.3
14N	22.3	24.3	24.3	24.3	24.3	24.3	24.3	24.3	24.3	24.3	24.3	24.3	24.3	24.3	24.3	24.3	24.3	24.3
10N	22.3	24.3	24.3	24.3	24.3	24.3	24.3	24.3	24.3	24.3	24.3	24.3	24.3	24.3	24.3	24.3	24.3	24.3
6N	22.3	24.3	24.3	24.3	24.3	24.3	24.3	24.3	24.3	24.3	24.3	24.3	24.3	24.3	24.3	24.3	24.3	24.3
2N	25.2	25.5	25.5	25.5	25.5	25.5	25.5	25.5	25.5	25.5	25.5	25.5	25.5	25.5	25.5	25.5	25.5	25.5
25	22.9	23.1	23.1	23.1	23.1	23.1	23.1	23.1	23.1	23.1	23.1	23.1	23.1	23.1	23.1	23.1	23.1	23.1
65	22.8	22.5	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2
105	22.5	22.1	21.7	21.7	21.7	21.7	21.7	21.7	21.7	21.7	21.7	21.7	21.7	21.7	21.7	21.7	21.7	21.7
145	21.1	20.2	19.2	19.2	19.2	19.2	19.2	19.2	19.2	19.2	19.2	19.2	19.2	19.2	19.2	19.2	19.2	19.2
185	20.0	19.0	17.9	17.9	17.9	17.9	17.9	17.9	17.9	17.9	17.9	17.9	17.9	17.9	17.9	17.9	17.9	17.9
225	18.8	18.2	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6
265	18.1	17.5	16.9	16.9	16.9	16.9	16.9	16.9	16.9	16.9	16.9	16.9	16.9	16.9	16.9	16.9	16.9	16.9
305	17.1	16.9	16.4	16.4	16.4	16.4	16.4	16.4	16.4	16.4	16.4	16.4	16.4	16.4	16.4	16.4	16.4	16.4
345	14.9	14.7	15.4	15.4	15.4	15.4	15.4	15.4	15.4	15.4	15.4	15.4	15.4	15.4	15.4	15.4	15.4	15.4
385	12.0	12.2	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1
425	9.5	9.3	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9
465	6.0	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9
505	2.3	2.4	2.5	2.7	2.6	2.3	2.1	2.2	2.2	2.1	2.1	2.2	2.6	2.9	3.0	3.2	3.5	4.0
545	0.4	0.5	0.5	0.5	0.5	0.6	0.6	0.7	0.7	0.3	0.8	0.8	0.8	0.8	0.9	1.1	1.1	1.1
585	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I
625	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I
665	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I
705	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I
745	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I
785	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I
825	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I
865	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I
905	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I
945	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I

Table 5.3--Continued

	90E	95E	100E	105E	110E	115E	120E	125E	130E	135E	140E	145E	150E	155E	160E	165E	170E	175E
90N	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
86N	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
82N	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
78N	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
74N	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
70N	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
66N	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
62N	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
58N	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
54N	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
50N	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
46N	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
42N	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
38N	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
34N	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
30N	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
26N	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
22N	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
18N	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
14N	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
10N	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
6N	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
2N	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
25	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
65	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
105	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
145	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
185	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
225	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
265	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
305	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
345	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
385	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
425	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
465	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
505	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
545	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
585	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
625	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
665	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
705	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
745	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
785	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
825	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
865	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
905	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1

Table 5.4

JULY SURFACE RELATIVE HUMIDITY (Z)

	180W	175W	170W	165W	150W	155W	150E	145W	140W	135W	130W	125W	120W	115W	110W	105W	100W	95W
90N	90.25	90.25	90.25	90.25	90.25	90.25	90.25	90.25	90.25	90.25	90.25	90.25	90.25	90.25	90.25	90.25	90.25	90.25
86N	91.81	91.82	91.82	91.28	90.76	93.77	93.19	97.55	86.55	36.16	84.19	82.75	81.81	31.82	79.50	78.15	90.25	90.25
82N	93.85	93.16	93.44	93.17	92.91	93.74	92.92	91.31	90.39	38.97	87.58	84.96	84.12	84.50	80.34	78.16	77.27	77.29
78N	94.42	93.13	92.64	92.65	92.38	93.21	93.76	93.23	93.92	94.07	93.95	88.81	85.68	85.82	84.30	83.80	82.16	75.18
74N	92.96	91.36	90.79	89.81	89.18	87.55	88.83	90.65	93.18	95.50	95.93	39.73	83.94	83.12	84.29	89.33	89.84	86.37
70N	90.45	90.46	87.94	88.00	87.46	79.91	81.02	86.86	88.73	36.92	85.35	86.98	84.58	83.40	82.27	87.55	92.56	92.54
66N	79.87	94.25	92.70	33.06	72.97	58.83	65.79	63.43	70.38	71.33	70.09	70.85	75.44	72.72	74.46	76.53	79.45	80.66
62N	88.73	96.83	91.21	77.98	70.10	68.75	71.10	75.20	77.43	74.44	69.87	57.02	69.59	70.89	69.51	73.40	75.51	77.54
58N	95.90	96.03	89.98	79.70	75.54	76.26	31.68	83.54	88.24	31.03	74.23	58.93	66.97	68.17	67.81	72.96	77.27	77.67
54N	94.99	94.35	92.34	88.24	36.05	37.23	33.89	91.24	92.49	35.13	73.53	73.87	68.46	60.43	66.13	69.97	77.13	76.23
50N	99.32	98.64	97.30	95.34	93.43	92.19	90.36	92.23	93.50	89.37	82.51	79.37	76.38	48.40	58.38	59.34	67.83	68.69
46N	95.12	93.99	91.27	90.43	38.65	47.02	35.77	36.13	85.47	33.04	73.76	59.67	42.84	35.35	39.57	46.00	56.89	63.56
42N	83.05	31.67	30.31	80.12	80.12	90.12	89.02	81.28	80.52	79.04	78.54	57.74	34.09	28.91	27.57	39.84	53.25	62.71
38N	76.43	75.37	75.38	75.47	76.62	77.79	73.46	74.84	80.32	78.51	75.36	71.45	40.91	23.55	26.57	40.83	51.54	62.16
34N	76.22	75.73	75.62	76.07	77.11	78.74	30.30	30.95	83.00	30.71	73.19	71.19	63.40	26.22	35.02	46.73	50.34	62.66
30N	76.46	75.93	75.48	74.04	73.50	75.77	73.61	81.06	83.09	82.51	81.39	82.91	89.02	69.41	43.40	50.31	50.92	69.63
26N	76.58	75.70	74.39	73.78	73.25	73.62	73.90	30.75	81.52	42.63	83.64	84.80	86.88	81.90	62.57	55.51	52.35	77.27
22N	75.30	74.07	72.96	73.25	73.69	73.69	77.88	79.24	80.92	31.33	84.00	85.39	84.55	33.25	76.94	69.39	70.37	79.00
18N	73.93	72.73	71.44	72.88	74.45	75.67	73.40	79.57	81.47	32.19	83.54	83.66	81.63	78.42	91.74	79.20	76.18	78.02
14N	73.00	72.23	70.84	73.60	75.03	77.71	79.53	80.90	82.00	32.73	82.04	30.96	79.88	74.75	76.36	80.27	78.51	76.40
10N	72.32	72.31	72.28	74.05	75.37	74.23	77.69	78.63	80.08	79.63	73.17	80.62	83.14	79.73	81.18	82.19	77.33	74.54
6N	72.67	71.51	71.25	73.34	73.96	74.10	75.44	75.99	76.27	76.32	80.38	83.40	84.76	84.03	34.75	84.52	81.85	78.87
2N	73.56	70.88	69.67	70.74	71.14	73.49	75.66	76.67	76.95	77.32	79.73	82.82	84.78	84.76	84.32	81.29	79.38	77.52
25	76.14	73.55	72.29	72.34	71.32	73.11	74.52	75.71	76.91	76.93	76.21	77.78	79.01	79.76	79.53	77.22	76.99	77.35
65	78.03	77.36	77.07	77.07	74.71	73.62	74.30	74.03	75.74	75.05	72.62	71.38	70.94	72.50	73.27	74.41	74.69	78.31
105	73.15	73.61	74.99	75.93	77.33	77.76	73.71	76.23	77.73	74.34	71.55	69.30	69.17	59.97	70.36	72.54	70.62	73.27
145	72.95	73.79	73.70	74.25	74.53	74.61	75.55	75.83	74.97	72.30	71.43	71.30	69.76	70.94	72.44	72.80	70.16	72.06
185	71.61	71.71	71.52	71.17	71.17	70.91	71.01	72.01	72.17	72.25	71.34	72.50	73.32	72.99	73.40	73.03	71.81	68.88
225	70.18	69.73	69.54	68.53	69.53	69.27	69.03	70.21	71.66	73.05	73.40	73.93	75.78	74.68	73.56	73.20	73.10	68.87
265	68.85	68.54	68.20	69.60	69.78	69.52	69.65	70.78	72.66	74.30	75.37	75.45	75.91	75.20	73.31	73.43	73.16	71.43
305	67.00	67.41	67.41	69.19	70.09	68.77	69.25	71.12	71.15	73.55	75.02	75.52	75.51	74.51	73.03	73.94	72.90	70.04
345	67.62	69.55	70.67	71.80	71.99	71.71	72.20	73.39	74.51	76.74	77.48	78.00	78.83	77.33	76.24	75.21	74.97	72.37
385	70.56	72.75	73.03	73.42	73.12	73.62	74.63	74.63	75.88	77.93	79.16	80.35	80.78	79.81	77.76	77.11	77.11	75.43
425	74.80	76.09	75.97	75.55	75.34	74.32	74.92	76.18	77.02	78.75	79.96	81.18	81.40	81.23	80.61	80.28	79.60	78.51
465	78.35	78.47	79.91	77.92	77.43	76.94	75.29	77.81	78.35	79.35	79.91	80.36	80.91	81.37	81.37	81.49	81.37	80.35
505	78.12	78.67	73.67	78.11	78.11	77.55	75.44	77.55	78.09	78.65	79.22	79.22	79.22	79.77	79.77	80.34	79.77	79.22
545	80.99	80.64	80.64	80.52	80.99	80.40	80.17	79.95	79.51	79.72	79.39	80.32	79.40	79.99	79.99	80.10	79.08	79.42
585	80.98	81.48	81.48	81.49	81.02	80.30	80.81	80.24	79.31	80.33	80.15	80.64	80.53	83.79	83.44	80.45	80.33	79.19
625	81.27	81.82	81.58	82.36	92.13	92.13	90.94	80.10	79.39	81.00	81.77	80.54	81.17	81.13	81.55	81.55	82.92	82.18
665	81.28	80.57	90.08	82.10	83.32	83.21	81.79	80.64	80.53	81.34	83.20	30.46	80.73	90.86	82.53	83.05	83.32	86.52
705	75.84	74.63	74.76	74.82	77.50	79.54	33.04	82.34	81.66	80.31	81.70	81.01	79.64	80.31	80.98	83.73	84.44	92.23
745	70.69	71.43	71.75	71.75	70.74	74.79	72.70	72.54	75.67	70.93	53.98	55.22	61.06	62.54	64.30	65.25	65.37	60.56
785	64.40	61.18	56.54	50.85	50.17	51.31	53.23	53.01	54.26	55.54	54.74	53.03	51.25	51.65	55.59	59.29	63.27	64.46
825	50.77	49.70	46.55	40.90	40.67	40.45	41.13	40.91	39.13	39.73	39.78	39.78	39.63	41.03	43.53	46.43	56.25	59.90
865	40.29	44.26	44.55	44.56	44.56	44.56	40.59	40.59	36.95	33.51	33.61	33.61	33.30	36.33	36.02	36.02	47.09	46.78
905	57.69	57.69	57.69	57.69	57.69	57.69	57.59	57.69	57.69	57.59	57.69	57.69	57.69	57.69	57.69	57.69	57.69	57.69

Table 5.4--Continued

	90W	85W	80W	75W	70W	65W	60W	55W	50W	45W	40W	35W	30W	25W	20W	15W	10W	5W
90N	90.25	90.25	90.25	90.25	90.25	90.25	90.25	90.25	90.25	90.25	90.25	90.25	90.25	90.25	90.25	90.25	90.25	90.25
86N	77.30	77.31	77.31	77.77	78.22	78.23	78.68	78.55	78.58	78.53	79.13	79.58	80.04	80.44	80.94	80.93	81.85	92.32
82N	74.59	75.27	76.56	79.43	82.75	83.05	82.69	82.69	82.69	82.69	82.69	82.69	82.69	82.69	82.69	82.69	82.69	82.69
78N	76.04	76.95	78.04	79.11	81.23	79.35	77.84	68.80	67.84	67.54	67.54	67.54	67.54	67.54	67.54	67.54	67.54	67.54
74N	80.88	80.00	79.10	76.65	75.01	69.85	65.50	57.81	67.45	54.61	70.38	64.40	69.75	74.55	79.01	79.79	83.36	86.06
70N	93.19	85.67	83.27	86.77	87.33	79.15	67.93	68.47	67.13	60.80	76.25	58.94	87.10	93.01	84.21	80.81	86.36	90.69
66N	83.01	82.37	82.40	83.49	75.63	72.74	47.95	82.56	90.24	47.13	71.11	81.09	86.10	83.94	79.71	79.51	83.81	86.44
62N	78.57	80.36	86.17	82.53	74.48	90.53	92.81	92.80	90.04	59.77	75.29	85.89	87.42	83.41	83.76	80.65	83.90	87.31
58N	76.99	78.25	81.37	78.40	72.02	77.52	30.93	53.29	89.67	75.74	83.00	87.46	87.55	83.73	81.32	81.94	84.55	86.76
54N	75.30	76.53	72.01	72.27	47.89	69.45	71.17	82.37	89.13	31.33	84.82	35.96	85.02	82.73	81.46	82.24	84.28	84.41
50N	70.19	78.44	73.35	69.99	70.53	79.87	91.74	81.45	82.81	79.55	76.16	76.79	80.40	92.03	82.08	81.57	82.68	85.42
46N	66.06	76.25	71.55	68.34	74.28	37.37	32.81	86.84	86.70	33.87	30.30	79.21	90.31	31.33	81.37	82.62	85.01	87.83
42N	65.95	72.53	58.64	56.22	85.35	88.15	35.69	83.26	83.68	32.02	73.81	76.60	79.23	79.05	80.66	82.33	76.01	56.99
38N	67.49	69.58	68.37	71.15	36.47	34.90	32.08	83.32	81.10	79.63	73.03	73.40	78.80	77.22	73.74	80.95	71.80	50.89
34N	70.13	69.24	72.56	80.97	78.24	79.94	30.21	79.96	90.74	78.93	73.96	78.71	79.51	76.45	76.75	79.23	73.55	50.98
30N	74.95	74.43	76.85	80.68	78.69	75.81	77.18	78.11	80.03	79.45	73.40	78.38	80.79	77.70	73.57	78.54	71.37	17.78
26N	78.04	77.13	78.76	80.69	76.14	75.35	75.85	75.50	78.11	79.12	73.44	79.20	80.42	73.54	73.45	76.99	30.85	15.16
22N	76.67	78.73	78.40	78.94	80.29	77.26	77.64	74.61	76.24	78.76	79.48	79.74	80.07	78.20	80.12	68.45	28.88	19.89
18N	78.76	78.80	79.01	78.98	80.71	79.39	30.73	75.13	75.90	78.20	79.91	79.98	79.93	78.09	80.48	65.61	43.07	36.11
14N	82.04	78.98	80.87	80.76	79.18	80.35	33.33	75.92	76.47	77.55	80.55	7.92	79.80	73.41	80.57	72.13	70.30	67.11
10N	73.11	82.83	81.22	80.63	78.73	79.54	78.17	74.43	75.35	77.20	81.09	79.57	79.08	78.12	82.64	87.88	78.54	77.57
6N	77.04	75.92	73.35	61.59	80.05	35.90	95.90	79.27	78.71	73.74	77.94	78.03	78.31	73.12	82.19	82.75	80.87	85.65
2N	77.34	76.73	82.81	70.00	84.77	86.42	31.14	82.63	80.45	40.30	77.16	77.33	78.08	78.15	79.61	78.76	78.12	81.71
25	79.33	82.74	91.18	79.30	87.79	85.36	78.49	83.65	83.03	76.11	67.57	75.92	77.07	77.43	79.67	75.22	74.60	75.31
65	81.94	88.20	91.56	75.25	96.20	33.52	30.06	30.14	81.80	73.04	55.09	74.98	75.50	74.72	72.19	72.27	71.95	71.62
105	77.01	82.03	91.97	76.85	80.08	73.59	72.52	69.32	66.00	74.10	59.64	78.39	75.07	73.16	71.72	70.75	69.37	71.48
145	70.43	73.49	79.90	85.10	79.15	55.76	74.55	66.98	59.47	79.53	73.19	77.99	73.12	71.93	71.93	72.02	71.66	72.77
185	67.96	70.82	77.09	81.20	76.85	76.05	73.20	67.47	61.43	72.03	81.46	76.32	73.04	71.50	71.04	71.92	71.56	72.67
225	69.07	71.25	76.30	76.75	69.82	72.35	63.17	72.61	66.66	72.45	78.30	75.18	73.58	71.29	69.75	70.62	70.61	71.93
265	71.38	71.93	74.94	75.00	64.51	55.29	59.32	81.10	73.17	31.73	75.82	74.65	73.63	70.94	69.22	69.84	70.39	71.65
305	69.97	69.40	69.32	72.05	76.16	53.94	67.08	86.22	81.95	79.20	75.14	73.17	72.17	70.26	71.12	72.93	72.40	73.33
345	71.55	70.24	69.80	72.20	35.64	68.99	80.43	36.55	76.80	76.77	77.76	76.72	76.49	75.65	75.03	76.20	76.43	77.08
385	73.79	73.43	73.49	75.98	74.12	72.98	80.64	86.53	76.78	75.21	76.32	76.11	76.10	77.11	75.69	77.39	77.90	78.74
425	77.22	77.08	77.58	79.59	65.16	69.59	73.06	84.95	77.00	74.53	74.01	74.20	74.20	75.00	75.82	76.32	77.26	77.89
465	80.34	79.55	79.76	79.44	67.39	67.50	90.44	82.72	77.00	74.44	72.36	72.53	72.73	72.09	73.81	74.52	75.89	75.78
505	79.22	79.77	78.64	73.06	80.71	77.74	81.21	82.94	79.39	74.36	72.16	71.07	72.07	73.09	73.53	75.22	75.78	75.24
545	78.98	78.19	77.05	77.65	78.13	39.73	75.64	76.10	74.90	71.39	70.47	59.80	70.86	71.51	72.50	74.16	74.73	76.00
585	77.27	75.53	73.40	72.93	73.29	79.54	73.46	34.53	80.34	79.52	73.32	78.66	78.46	75.93	77.11	78.22	78.85	79.99
625	80.84	79.39	77.35	74.98	75.21	74.77	73.05	87.96	82.91	84.01	84.23	83.96	82.64	80.17	79.81	78.96	79.37	79.80
665	88.02	88.01	86.30	83.63	81.05	31.40	81.22	78.29	77.29	79.26	79.92	79.66	78.35	76.77	75.72	74.18	74.77	77.97
705	84.27	84.18	79.47	76.15	71.45	32.73	64.77	66.96	70.19	72.17	72.80	74.08	72.76	70.14	75.06	69.72	72.56	91.02
745	50.63	60.36	59.15	63.16	67.08	38.24	42.07	55.72	68.06	58.15	63.31	70.03	71.19	63.65	54.56	66.07	77.30	60.93
785	64.34	56.79	50.15	49.00	54.32	51.33	45.13	44.97	59.42	66.72	70.72	71.25	67.46	51.82	64.48	58.79	72.29	71.39
825	62.57	57.35	50.54	45.46	48.65	50.76	55.99	47.45	57.25	32.32	65.28	55.83	61.03	56.20	48.14	54.23	61.37	71.17
865	51.27	56.23	56.50	51.56	51.56	56.50	62.22	62.22	61.97	56.23	55.95	55.66	55.38	55.09	54.80	54.51	53.92	53.62
905	57.69	57.69	57.69	57.69	57.69	57.69	57.69	57.69	57.69	57.69	57.69	57.69	57.69	57.69	57.69	57.69	57.69	57.69

Table 5.4--Continued

	OE	5E	10E	15E	20E	25E	30E	35E	40E	45E	50E	55E	60E	65E	70E	75E	80E	85E
90N	90.25	90.25	90.25	90.25	90.25	90.25	90.25	90.25	90.25	90.25	90.25	90.25	90.25	90.25	90.25	90.25	90.25	90.25
86N	32.31	83.75	83.74	85.20	86.19	36.68	93.23	90.27	91.33	92.39	94.02	94.57	94.57	94.02	93.46	93.46	92.91	92.91
82N	33.09	84.90	84.89	85.61	86.47	36.31	33.30	39.73	89.57	89.39	95.55	92.01	92.41	93.76	93.08	93.08	93.21	92.40
78N	85.39	86.75	87.74	88.73	90.89	99.45	39.18	87.88	87.23	35.69	85.79	88.67	91.13	93.27	92.37	92.87	94.37	92.76
74N	86.73	35.80	37.76	89.88	93.21	91.00	33.09	87.56	86.90	65.27	84.65	88.19	92.96	94.84	93.31	92.60	93.32	91.23
70N	88.89	81.93	82.02	82.67	81.57	81.03	81.53	85.96	92.65	91.99	91.30	92.00	92.25	94.31	94.58	88.34	84.27	79.86
66N	86.64	82.57	81.32	77.27	73.18	70.85	55.39	72.04	74.91	77.62	77.92	78.86	78.12	75.10	75.51	74.67	72.10	69.88
62N	86.57	83.94	77.55	75.92	73.14	68.69	67.92	76.67	74.85	71.55	72.01	74.15	74.15	72.16	71.50	70.20	68.77	67.80
58N	86.70	84.11	75.96	76.75	75.06	71.62	73.73	80.49	75.69	58.73	57.38	68.43	63.93	68.30	67.79	67.88	69.21	69.13
54N	85.11	82.13	76.70	77.77	75.19	74.54	75.07	77.04	71.16	55.19	63.96	59.08	58.20	57.33	59.51	62.95	66.54	70.68
50N	80.10	78.07	75.58	76.57	71.87	68.71	65.77	72.91	63.36	57.33	51.66	48.24	45.09	44.07	43.67	51.93	52.31	69.42
46N	72.32	63.37	56.52	52.81	52.86	57.67	67.39	69.09	61.47	53.22	50.26	50.78	47.08	43.94	43.36	42.10	61.69	51.28
42N	63.38	62.57	69.33	61.88	59.96	61.02	60.85	54.14	55.43	45.79	58.05	44.62	41.68	41.32	39.29	39.50	50.93	38.71
38N	56.69	48.03	66.96	66.61	63.08	59.77	53.81	52.67	38.34	31.81	44.10	33.96	35.27	34.04	37.21	48.75	45.44	43.43
34N	43.02	29.56	53.04	65.39	63.55	58.72	63.26	55.82	25.92	22.55	35.13	27.37	30.99	27.07	35.46	66.04	50.99	59.96
30N	13.33	24.09	34.09	44.55	45.80	41.94	53.18	33.47	31.26	28.30	54.59	37.82	30.39	27.33	43.49	62.44	63.78	44.18
26N	15.21	21.72	26.67	26.22	26.11	25.75	23.45	38.49	42.26	27.35	35.94	56.12	70.53	50.51	59.32	70.93	69.77	72.66
22N	21.97	28.53	24.25	21.78	23.42	22.67	22.21	30.30	51.94	35.93	44.82	47.97	73.93	83.41	77.49	77.49	73.32	81.89
18N	39.19	43.03	32.02	29.79	32.60	30.40	25.15	34.66	57.26	52.81	44.82	51.59	75.95	36.91	34.38	84.50	73.61	52.88
14N	61.82	62.51	54.80	53.98	55.98	51.60	43.03	58.23	55.76	54.37	70.22	74.12	78.67	80.43	73.30	89.90	72.32	33.19
10N	73.60	77.10	81.79	77.62	82.57	73.76	72.80	69.19	45.48	46.59	44.92	73.03	80.61	79.63	77.33	85.76	74.18	80.75
6N	82.50	82.60	90.45	85.08	84.17	81.39	73.13	60.85	66.19	56.41	73.17	79.37	80.20	77.75	77.32	78.93	75.93	78.77
2N	80.66	79.96	83.43	81.42	85.52	83.77	79.46	60.55	66.12	72.22	82.05	81.96	73.36	75.31	75.61	76.17	75.30	77.68
2S	77.96	77.46	78.76	74.25	78.49	78.44	74.84	64.01	67.73	79.72	80.82	80.94	77.77	75.27	75.01	75.39	75.39	76.50
6S	76.29	78.32	80.44	68.24	59.89	56.12	55.83	69.40	75.58	77.30	76.73	73.92	79.28	77.84	76.43	75.96	76.07	75.99
10S	74.63	79.46	81.50	64.96	34.59	49.96	55.19	76.82	70.34	72.53	73.61	80.47	82.03	80.52	79.03	73.54	79.04	78.57
14S	74.85	79.27	34.25	39.81	40.25	45.59	47.91	64.09	65.22	72.25	77.47	80.39	79.29	73.73	75.76	75.23	75.01	75.31
18S	74.51	76.43	81.61	34.78	39.10	42.28	45.03	70.88	68.69	59.53	80.36	73.49	71.17	71.34	70.59	71.49	71.59	72.05
22S	73.97	74.76	78.59	47.91	39.41	43.19	49.89	75.89	69.92	71.84	76.63	68.50	66.12	65.61	67.79	69.01	59.81	70.61
26S	73.99	75.63	77.96	77.05	43.86	48.02	59.37	71.30	66.65	75.64	69.58	57.61	66.68	55.73	63.42	68.93	70.37	71.64
30S	75.77	78.33	80.43	79.14	48.55	51.94	55.10	64.87	65.66	66.00	66.75	67.99	68.87	69.21	70.99	71.90	73.79	74.76
34S	73.84	79.37	80.23	76.69	70.12	63.68	52.72	53.13	66.50	58.00	65.11	59.43	71.41	71.03	72.36	73.91	73.90	74.88
38S	79.70	79.71	80.94	77.08	72.53	68.39	67.34	67.36	69.37	70.07	70.31	71.42	71.48	71.55	72.59	73.85	74.24	74.94
42S	78.43	78.44	79.90	77.69	72.64	72.36	73.70	72.73	73.39	73.15	73.02	73.61	72.50	71.80	71.69	72.95	73.37	74.10
46S	76.31	76.22	77.32	77.45	77.13	77.24	77.66	76.32	77.06	76.47	75.70	75.70	75.06	72.78	71.87	72.53	72.10	73.18
50S	75.78	75.24	76.34	76.89	77.40	78.01	78.01	78.01	77.43	76.86	77.40	77.40	76.29	75.20	74.68	74.16	73.65	74.78
54S	76.58	76.46	77.16	77.27	76.92	77.50	77.50	77.03	76.92	75.30	77.35	76.92	76.71	76.95	76.41	77.24	76.70	77.43
58S	80.64	79.90	80.15	79.78	80.27	80.15	80.15	79.90	81.30	81.01	81.26	81.01	79.18	79.69	79.16	78.31	77.75	78.74
62S	80.24	80.79	81.08	80.96	82.54	81.88	81.60	81.03	82.88	81.67	80.54	81.10	79.44	82.03	80.96	80.85	79.70	79.70
66S	76.78	76.89	74.94	75.51	75.81	74.92	73.50	70.08	76.40	79.83	73.94	71.80	73.66	81.30	74.53	76.40	78.38	77.74
70S	83.07	69.25	57.92	58.22	53.35	51.38	48.60	40.23	61.34	39.96	64.48	51.06	57.52	81.13	44.32	48.60	61.04	64.77
74S	71.33	74.62	78.31	78.35	79.27	73.76	57.57	58.12	65.29	54.57	69.26	52.80	65.05	53.25	51.08	56.66	59.40	59.71
78S	72.72	70.39	74.09	68.00	58.65	63.89	63.69	71.07	70.89	56.85	77.19	77.19	77.52	65.87	63.81	73.52	73.04	72.82
82S	68.90	59.73	52.84	57.42	52.32	55.82	55.44	66.69	62.66	52.52	63.18	72.43	72.43	72.43	68.37	64.35	64.35	60.75
86S	59.02	52.71	58.46	58.17	57.88	57.88	57.59	57.29	51.15	50.83	50.83	50.83	56.70	55.70	56.70	50.83	45.61	40.98
90S	57.69	57.69	57.69	57.69	57.69	57.69	57.69	57.69	57.69	57.69	57.69	57.69	57.69	57.69	57.69	57.69	57.69	57.69

Table 5.4--Continued

	90E	95E	100E	105E	110E	115E	120E	125E	130E	135E	140E	145E	150E	155E	160E	165E	170E	175E
90N	90.25	90.25	90.25	90.25	90.25	90.25	90.25	90.25	90.25	90.25	90.25	90.25	90.25	90.25	90.25	90.25	90.25	90.25
86N	92.35	92.36	92.36	92.36	92.36	92.36	92.36	92.36	92.36	92.36	92.36	92.36	92.36	92.36	92.36	92.36	92.36	92.36
82N	91.32	89.74	88.18	87.04	86.67	86.41	87.16	88.31	89.73	91.71	94.43	95.54	96.24	96.67	95.96	95.25	95.55	93.85
78N	90.91	89.11	86.34	84.50	83.67	83.19	82.24	82.82	83.62	84.71	86.86	88.32	86.76	87.19	90.37	93.51	95.57	95.15
74N	88.21	85.92	82.26	80.55	79.43	79.33	77.03	76.82	76.52	76.65	85.36	88.32	86.76	87.19	90.37	93.51	95.57	95.15
70N	75.68	68.49	63.61	62.34	61.44	64.35	47.43	79.19	71.15	70.13	69.23	68.74	70.53	70.35	75.45	85.45	92.41	93.07
66N	59.15	67.10	65.74	66.13	66.62	66.17	62.10	60.04	64.71	56.55	59.21	74.50	69.98	70.25	75.32	77.16	91.30	32.69
62N	63.63	63.28	67.29	67.38	71.72	73.95	65.45	60.97	62.95	58.24	77.14	81.95	79.79	75.03	71.13	75.33	86.17	88.96
58N	59.23	68.40	67.62	67.61	79.12	82.25	77.49	69.29	60.44	72.01	83.91	84.41	87.29	79.89	63.34	31.12	93.22	95.79
54N	71.48	67.67	66.74	71.19	82.16	80.59	33.67	78.60	71.63	75.13	85.08	81.46	87.34	73.73	71.38	92.46	96.07	96.99
50N	82.31	70.13	65.36	83.64	45.53	59.36	73.61	75.23	70.00	75.45	83.90	80.25	87.81	90.35	95.61	99.31	96.61	98.63
46N	66.54	66.00	67.45	52.45	46.55	58.22	37.51	74.41	75.95	44.02	87.53	90.35	95.38	91.90	95.08	96.65	95.10	96.54
42N	40.11	34.23	37.75	43.05	53.00	62.93	78.44	76.98	82.18	92.44	87.61	86.83	86.55	87.33	85.91	88.06	85.90	85.35
38N	44.54	30.32	42.03	50.67	63.42	57.35	82.15	82.31	86.36	87.79	86.91	83.61	80.31	82.52	81.63	82.65	80.44	78.49
34N	77.23	46.38	88.73	71.19	63.84	69.01	94.21	86.16	86.31	36.43	86.59	84.21	80.68	79.93	83.65	81.42	79.77	77.38
30N	53.66	41.47	85.21	79.19	76.00	70.30	75.07	80.13	80.72	33.71	80.30	83.12	82.05	80.53	80.49	80.44	78.43	76.47
26N	76.85	70.54	86.48	66.63	78.62	30.48	73.01	78.89	74.80	79.76	31.03	80.80	82.15	79.45	75.26	78.59	77.41	79.75
22N	85.77	81.87	90.81	73.90	81.65	83.66	77.98	78.63	73.64	78.03	80.08	80.24	80.12	76.93	74.36	77.05	76.66	77.99
18N	86.19	83.48	93.36	83.66	33.69	83.21	73.54	79.80	79.41	79.22	72.88	79.85	78.21	75.47	75.03	75.80	75.61	75.42
14N	83.88	33.65	80.48	56.03	82.59	82.00	82.60	81.26	80.27	80.23	79.37	79.45	77.72	75.93	75.10	75.28	74.82	73.92
10N	82.23	83.22	77.35	80.75	75.94	80.73	32.23	81.22	80.24	82.24	82.24	80.23	79.25	77.81	77.34	76.41	75.95	73.23
6N	77.85	67.36	73.76	79.55	74.45	79.57	83.97	75.13	83.00	45.07	84.65	83.43	82.42	80.14	83.13	81.05	78.99	74.67
2N	77.63	71.35	72.87	76.80	75.33	30.66	77.10	76.30	84.01	37.05	85.53	84.85	84.14	82.23	84.47	83.15	80.06	75.03
25	77.24	75.33	73.84	77.07	76.51	79.54	74.46	74.46	80.94	45.12	87.74	87.53	82.03	73.34	80.42	79.94	79.09	76.52
65	76.28	74.75	75.62	81.04	75.31	76.23	71.92	72.91	75.65	79.57	85.81	59.42	78.65	73.16	71.06	72.88	75.75	77.55
105	78.11	78.13	80.63	83.17	77.68	76.21	72.89	68.84	73.26	74.18	76.55	83.02	80.56	75.23	66.48	66.54	69.53	72.68
145	76.76	77.16	77.53	77.03	76.34	77.13	74.92	55.43	44.59	42.10	54.99	73.23	78.04	71.54	64.26	62.68	57.95	72.12
185	73.63	74.97	75.01	73.91	68.06	59.76	54.86	39.44	34.29	35.25	44.90	52.02	69.61	71.11	63.49	61.74	69.16	71.50
225	71.99	74.07	74.12	73.03	64.42	52.92	41.05	33.72	34.50	37.32	39.93	43.49	60.76	69.51	54.47	62.34	69.53	70.45
265	72.95	75.03	75.53	74.33	68.53	50.26	41.98	40.77	42.59	43.52	42.99	48.75	50.21	69.13	68.58	64.46	67.63	68.61
305	75.75	76.77	78.81	78.41	77.44	70.52	61.65	66.06	52.59	54.52	50.36	60.01	62.37	69.05	67.99	64.08	64.47	65.72
345	76.30	77.33	78.19	79.83	80.53	76.53	53.72	73.20	67.37	70.24	59.36	58.28	63.22	73.33	69.35	66.45	64.33	65.85
385	75.56	76.28	77.77	74.97	80.78	79.51	74.06	77.30	74.89	75.29	73.29	71.40	73.35	75.19	73.39	65.92	63.14	71.25
425	73.70	74.04	76.54	76.32	79.79	80.23	73.99	78.69	76.45	73.60	70.51	58.70	70.63	71.24	83.75	64.90	68.06	77.07
465	72.19	73.65	75.48	76.50	73.74	80.23	73.93	78.85	75.32	71.25	67.71	64.97	64.73	66.34	65.54	66.35	78.00	79.84
505	73.76	74.85	77.65	78.28	78.31	81.24	31.27	80.72	75.75	73.04	71.59	69.10	69.63	70.13	69.96	74.31	78.12	79.23
545	76.34	77.03	78.56	78.72	79.68	80.79	81.73	82.19	79.77	77.97	75.02	76.59	78.54	80.54	83.54	83.21	81.45	80.75
585	78.28	79.62	80.87	80.89	81.41	81.69	81.47	81.39	80.34	80.34	79.59	80.24	80.19	81.21	79.73	80.57	79.76	79.65
625	77.39	77.26	78.52	81.83	82.63	82.36	81.53	79.40	79.55	73.53	75.37	79.53	78.55	79.90	80.56	80.74	80.45	79.62
665	71.46	68.34	69.75	77.80	79.47	78.33	77.94	74.51	73.88	71.63	59.18	75.79	76.17	76.59	80.33	82.58	82.34	79.78
705	52.95	50.27	55.93	62.67	62.67	62.35	70.04	62.35	62.67	56.27	63.09	72.08	73.03	61.34	64.01	63.50	73.52	73.81
745	52.06	46.25	46.17	52.07	58.94	58.87	60.46	54.00	64.57	54.30	63.25	64.30	59.51	63.37	71.92	49.48	73.50	69.73
785	68.68	64.82	54.97	49.37	52.79	52.73	54.03	51.91	52.67	57.34	64.49	66.34	56.48	59.19	64.46	48.30	62.29	64.29
825	60.75	64.69	58.12	52.16	52.75	52.91	54.03	51.91	52.67	60.40	65.90	66.33	53.39	58.15	63.17	52.01	47.56	50.84
865	40.98	45.95	51.47	57.59	57.88	58.17	54.45	53.52	53.52	59.53	50.13	50.40	63.67	67.33	67.56	56.50	39.67	39.98
905	57.69	57.69	57.69	57.69	57.69	57.69	57.69	57.69	57.69	57.69	57.69	57.69	57.69	57.69	57.69	57.69	57.69	57.69

Table 5.5A--Continued

	50M	60M	70M	80M	90M	100M	110M	120M	130M	140M	150M	160M	170M	180M	190M	200M	210M	220M	230M	240M	250M	260M	270M	280M	290M	300M	310M	320M	330M	340M	350M	360M	370M	380M	390M	400M	410M	420M	430M	440M	450M	460M	470M	480M	490M	500M	510M	520M	530M	540M	550M	560M	570M	580M	590M	600M	610M	620M	630M	640M	650M	660M	670M	680M	690M	700M	710M	720M	730M	740M	750M	760M	770M	780M	790M	800M	810M	820M	830M	840M	850M	860M	870M	880M	890M	900M	910M	920M	930M	940M	950M	960M	970M	980M	990M	1000M				
90M	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1.0	1.1	1.2	1.3	1.4	1.5	1.6	1.7	1.8	1.9	2.0	2.1	2.2	2.3	2.4	2.5	2.6	2.7	2.8	2.9	3.0	3.1	3.2	3.3	3.4	3.5	3.6	3.7	3.8	3.9	4.0	4.1	4.2	4.3	4.4	4.5	4.6	4.7	4.8	4.9	5.0	5.1	5.2	5.3	5.4	5.5	5.6	5.7	5.8	5.9	6.0	6.1	6.2	6.3	6.4	6.5	6.6	6.7	6.8	6.9	7.0	7.1	7.2	7.3	7.4	7.5	7.6	7.7	7.8	7.9	8.0	8.1	8.2	8.3	8.4	8.5	8.6	8.7	8.8	8.9	9.0	9.1	9.2	9.3	9.4	9.5	9.6	9.7	9.8	9.9	10.0	
80M	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1.0	1.1	1.2	1.3	1.4	1.5	1.6	1.7	1.8	1.9	2.0	2.1	2.2	2.3	2.4	2.5	2.6	2.7	2.8	2.9	3.0	3.1	3.2	3.3	3.4	3.5	3.6	3.7	3.8	3.9	4.0	4.1	4.2	4.3	4.4	4.5	4.6	4.7	4.8	4.9	5.0	5.1	5.2	5.3	5.4	5.5	5.6	5.7	5.8	5.9	6.0	6.1	6.2	6.3	6.4	6.5	6.6	6.7	6.8	6.9	7.0	7.1	7.2	7.3	7.4	7.5	7.6	7.7	7.8	7.9	8.0	8.1	8.2	8.3	8.4	8.5	8.6	8.7	8.8	8.9	9.0	9.1	9.2	9.3	9.4	9.5	9.6	9.7	9.8	9.9	10.0
70M	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1.0	1.1	1.2	1.3	1.4	1.5	1.6	1.7	1.8	1.9	2.0	2.1	2.2	2.3	2.4	2.5	2.6	2.7	2.8	2.9	3.0	3.1	3.2	3.3	3.4	3.5	3.6	3.7	3.8	3.9	4.0	4.1	4.2	4.3	4.4	4.5	4.6	4.7	4.8	4.9	5.0	5.1	5.2	5.3	5.4	5.5	5.6	5.7	5.8	5.9	6.0	6.1	6.2	6.3	6.4	6.5	6.6	6.7	6.8	6.9	7.0	7.1	7.2	7.3	7.4	7.5	7.6	7.7	7.8	7.9	8.0	8.1	8.2	8.3	8.4	8.5	8.6	8.7	8.8	8.9	9.0	9.1	9.2	9.3	9.4	9.5	9.6	9.7	9.8	9.9	10.0
60M	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1.0	1.1	1.2	1.3	1.4	1.5	1.6	1.7	1.8	1.9	2.0	2.1	2.2	2.3	2.4	2.5	2.6	2.7	2.8	2.9	3.0	3.1	3.2	3.3	3.4	3.5	3.6	3.7	3.8	3.9	4.0	4.1	4.2	4.3	4.4	4.5	4.6	4.7	4.8	4.9	5.0	5.1	5.2	5.3	5.4	5.5	5.6	5.7	5.8	5.9	6.0	6.1	6.2	6.3	6.4	6.5	6.6	6.7	6.8	6.9	7.0	7.1	7.2	7.3	7.4	7.5	7.6	7.7	7.8	7.9	8.0	8.1	8.2	8.3	8.4	8.5	8.6	8.7	8.8	8.9	9.0	9.1	9.2	9.3	9.4	9.5	9.6	9.7	9.8	9.9	10.0
50M	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1.0	1.1	1.2	1.3	1.4	1.5	1.6	1.7	1.8	1.9	2.0	2.1	2.2	2.3	2.4	2.5	2.6	2.7	2.8	2.9	3.0	3.1	3.2	3.3	3.4	3.5	3.6	3.7	3.8	3.9	4.0	4.1	4.2	4.3	4.4	4.5	4.6	4.7	4.8	4.9	5.0	5.1	5.2	5.3	5.4	5.5	5.6	5.7	5.8	5.9	6.0	6.1	6.2	6.3	6.4	6.5	6.6	6.7	6.8	6.9	7.0	7.1	7.2	7.3	7.4	7.5	7.6	7.7	7.8	7.9	8.0	8.1	8.2	8.3	8.4	8.5	8.6	8.7	8.8	8.9	9.0	9.1	9.2	9.3	9.4	9.5	9.6	9.7	9.8	9.9	10.0
40M	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1.0	1.1	1.2	1.3	1.4	1.5	1.6	1.7	1.8	1.9	2.0	2.1	2.2	2.3	2.4	2.5	2.6	2.7	2.8	2.9	3.0	3.1	3.2	3.3	3.4	3.5	3.6	3.7	3.8	3.9	4.0	4.1	4.2	4.3	4.4	4.5	4.6	4.7	4.8	4.9	5.0	5.1	5.2	5.3	5.4	5.5	5.6	5.7	5.8	5.9	6.0	6.1	6.2	6.3	6.4	6.5	6.6	6.7	6.8	6.9	7.0	7.1	7.2	7.3	7.4	7.5	7.6	7.7	7.8	7.9	8.0	8.1	8.2	8.3	8.4	8.5	8.6	8.7	8.8	8.9	9.0	9.1	9.2	9.3	9.4	9.5	9.6	9.7	9.8	9.9	10.0
30M	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1.0	1.1	1.2	1.3	1.4	1.5	1.6	1.7	1.8	1.9	2.0	2.1	2.2	2.3	2.4	2.5	2.6	2.7	2.8	2.9	3.0	3.1	3.2	3.3	3.4	3.5	3.6	3.7	3.8	3.9	4.0	4.1	4.2	4.3	4.4	4.5	4.6	4.7	4.8	4.9	5.0	5.1	5.2	5.3	5.4	5.5	5.6	5.7	5.8	5.9	6.0	6.1	6.2	6.3	6.4	6.5	6.6	6.7	6.8	6.9	7.0	7.1	7.2	7.3	7.4	7.5	7.6	7.7	7.8	7.9	8.0	8.1	8.2	8.3	8.4	8.5	8.6	8.7	8.8	8.9	9.0	9.1	9.2	9.3	9.4	9.5	9.6	9.7	9.8	9.9	10.0
20M	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1.0	1.1	1.2	1.3	1.4	1.5	1.6	1.7	1.8	1.9	2.0	2.1	2.2	2.3	2.4	2.5	2.6	2.7	2.8	2.9	3.0	3.1	3.2	3.3	3.4	3.5	3.6	3.7	3.8	3.9	4.0	4.1	4.2	4.3	4.4	4.5	4.6	4.7	4.8	4.9	5.0	5.1	5.2	5.3	5.4	5.5	5.6	5.7	5.8	5.9	6.0	6.1	6.2	6.3	6.4	6.5	6.6	6.7	6.8	6.9	7.0	7.1	7.2	7.3	7.4	7.5	7.6	7.7	7.8	7.9	8.0	8.1	8.2	8.3	8.4	8.5	8.6	8.7	8.8	8.9	9.0	9.1	9.2	9.3	9.4	9.5	9.6	9.7	9.8	9.9	10.0
10M	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1.0	1.1	1.2	1.3	1.4	1.5	1.6	1.7	1.8	1.9	2.0	2.1	2.2	2.3	2.4	2.5	2.6	2.7	2.8	2.9	3.0	3.1	3.2	3.3	3.4	3.5	3.6	3.7	3.8	3.9	4.0	4.1	4.2	4.3	4.4	4.5	4.6	4.7	4.8	4.9	5.0	5.1	5.2	5.3	5.4	5.5	5.6	5.7	5.8	5.9	6.0	6.1	6.2	6.3	6.4	6.5	6.6	6.7	6.8	6.9	7.0	7.1	7.2	7.3	7.4	7.5	7.6	7.7	7.8	7.9	8.0	8.1	8.2	8.3	8.4	8.5	8.6	8.7	8.8	8.9	9.0	9.1	9.2	9.3	9.4	9.5	9.6	9.7	9.8	9.9	10.0
5M	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1.0	1.1	1.2	1.3	1.4	1.5	1.6	1.7	1.8	1.9	2.0	2.1	2.2	2.3	2.4	2.5	2.6	2.7	2.8	2.9	3.0	3.1	3.2	3.3	3.4	3.5	3.6	3.7	3.8	3.9	4.0	4.1	4.2	4.3	4.4	4.5	4.6	4.7	4.8	4.9	5.0	5.1	5.2	5.3	5.4	5.5	5.6	5.7	5.8	5.9	6.0	6.1	6.2	6.3	6.4	6.5	6.6	6.7	6.8	6.9	7.0	7.1	7.2	7.3	7.4	7.5	7.6	7.7	7.8	7.9	8.0	8.1	8.2	8.3	8.4	8.5	8.6	8.7	8.8	8.9	9.0	9.1	9.2	9.3	9.4	9.5	9.6	9.7	9.8	9.9	10.0
100M	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1.0	1.1	1.2	1.3	1.4	1.5	1.6	1.7	1.8	1.9	2.0	2.1	2.2	2.3	2.4	2.5	2.6	2.7	2.8	2.9	3.0	3.1	3.2	3.3	3.4	3.5	3.6	3.7	3.8	3.9	4.0	4.1	4.2	4.3	4.4	4.5	4.6	4.7	4.8	4.9	5.0	5.1	5.2	5.3	5.4	5.5	5.6	5.7	5.8	5.9	6.0	6.1	6.2	6.3	6.4	6.5	6.6	6.7	6.8	6.9	7.0	7.1	7.2	7.3	7.4	7.5	7.6	7.7	7.8	7.9	8.0	8.1	8.2	8.3	8.4	8.5	8.6	8.7	8.8	8.9	9.0	9.1	9.2	9.3	9.4	9.5	9.6	9.7	9.8	9.9	10.0
90M	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1.0	1.1	1.2	1.3	1.4	1.5	1.6	1.7	1.8	1.9	2.0	2.1	2.2	2.3	2.4	2.5	2.6	2.7	2.8	2.9	3.0	3.1	3.2	3.3	3.4	3.5	3.6	3.7	3.8	3.9	4.0	4.1	4.2	4.3	4.4	4.5	4.6	4.7	4.8	4.9	5.0	5.1	5.2	5.3	5.4	5.5	5.6	5.7	5.8	5.9	6.0	6.1	6.2	6.3	6.4	6.5	6.6	6.7	6.8	6.9	7.0	7.1	7.2	7.3	7.4	7.5	7.6	7.7	7.8	7.9	8.0	8.1	8.2	8.3	8.4	8.5	8.6	8.7	8.8	8.9	9.0	9.1	9.2	9.3	9.4	9.5	9.6	9.7	9.8	9.9	10.0
80M	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1.0	1.1	1.2	1.3	1.4	1.5	1.6	1.7	1.8	1.9	2.0	2.1	2.2	2.3	2.4	2.5	2.6	2.7	2.8	2.9	3.0	3.1	3.2	3.3	3.4	3.5	3.6	3.7	3.8	3.9	4.0	4.1	4.2	4.3	4.4	4.5	4.6	4.7	4.8	4.9	5.0	5.1	5.2	5.3	5.4	5.5	5.6	5.7	5.8	5.9	6.0	6.1	6.2	6.3	6.4	6.5	6.6	6.7	6.8	6.9	7.0	7.1	7.2	7.3	7.4	7.5	7.6	7.7	7.8	7.9	8.0	8.1	8.2	8.3	8.4	8.5	8.6	8.7	8.8	8.9	9.0	9.1	9.2	9.3	9.4	9.5	9.6	9.7	9.8	9.9	10.0
70M	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1.0	1.1	1.2	1.3	1.4	1.5	1.6	1.7	1.8	1.9	2.0	2.1	2.2	2.3	2.4	2.5	2.6	2.7	2.8	2.9	3.0	3.1	3.2	3.3	3.4	3.5	3.6	3.7	3.8	3.9	4.0	4.1	4.2	4.3	4.4	4.5	4.6	4.7	4.8	4.9	5.0	5.1	5.2	5.3	5.4	5.5	5.6	5.7	5.8	5.9	6.0	6.1	6.2	6.3	6.4	6.5	6.6	6.7	6.8	6.9	7.0	7.1	7.2	7.3	7.4	7.5	7.6	7.7	7.8	7.9	8.0	8.1	8.2	8.3	8.4	8.5	8.6	8.7	8.8	8.9	9.0	9.1	9.2	9.3	9.4	9.5	9.6	9.7	9.8	9.9	10.0
60M	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1.0	1.1	1.2	1.3	1.4	1.5	1.6																																																																																				

Table 5.5A--Continued

	0E	5E	10E	15E	20E	25E	30E	35E	40E	45E	50E	55E	60E	65E	70E	75E	80E	85E
90N	0.3	0.9	0.8	1.2	0.2	0.9	0.9	2.2	0.9	0.3	0.9	0.9	0.0	0.9	0.9	0.9	0.9	0.9
85N	0.3	0.3	0.3	0.3	0.6	0.8	0.8	0.3	0.3	0.3	0.3	0.9	0.3	0.9	0.9	0.9	0.9	0.9
82N	0.7	0.7	0.3	1.2	0.3	0.8	0.8	0.3	0.3	0.3	0.3	0.0	0.3	0.9	0.0	0.9	0.9	0.9
78N	0.3	0.6	0.6	0.3	0.0	0.9	0.3	0.3	0.3	0.3	0.9	0.3	0.9	0.9	0.9	0.9	0.9	0.9
74N	0.3	0.9	0.0	0.9	0.0	0.9	0.9	0.3	0.3	0.3	0.8	0.3	0.3	0.3	0.3	0.8	0.8	0.8
70N	0.9	0.9	0.9	0.9	0.3	0.3	0.8	0.3	0.3	1.3	0.9	0.7	0.7	0.7	0.7	0.7	0.7	0.7
66N	0.9	0.8	0.3	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
62N	0.8	0.8	0.7	0.6	0.6	0.5	0.6	0.6	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.6	0.6	0.6
58N	0.3	0.7	0.6	0.6	0.5	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
54N	0.7	0.6	0.6	0.6	0.5	0.6	0.6	0.6	0.6	0.5	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
50N	0.6	0.6	0.6	0.6	0.5	0.5	0.5	0.4	0.4	0.4	0.4	0.4	0.5	0.5	0.5	0.5	0.5	0.6
46N	0.5	0.4	0.4	0.4	0.4	0.4	0.4	0.3	0.3	0.4	0.4	0.4	0.4	0.3	0.4	0.4	0.5	0.6
42N	0.3	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.5	0.5	0.4	0.3	0.2	0.2	0.3	0.5	0.6	0.6
38N	0.2	0.2	0.1	0.2	0.1	0.1	0.1	0.2	0.1	0.2	0.3	0.3	0.1	0.1	0.3	0.5	0.6	0.6
34N	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.1	0.1	0.2	0.1	0.1	0.4	0.6	0.6	0.7
30N	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.1	0.1	0.2	0.2	0.2	0.4	0.6	0.7	0.8
26N	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.2	0.3	0.4	0.5	0.7	0.8	0.8
22N	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.2	0.2	0.1	0.4	0.4	0.6	0.7	0.8	0.9	0.8
18N	0.3	0.1	0.1	0.1	0.1	0.1	0.3	0.4	0.4	0.2	0.3	0.7	0.4	0.3	0.8	0.9	0.9	0.8
14N	0.3	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.1	0.1	0.2	0.1	0.1	0.4	0.6	0.6	0.7
10N	0.3	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.1	0.1	0.2	0.1	0.1	0.4	0.6	0.6	0.7
6N	0.3	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.1	0.1	0.2	0.1	0.1	0.4	0.6	0.6	0.7
2N	0.3	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.1	0.1	0.2	0.1	0.1	0.4	0.6	0.6	0.7
25S	0.3	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.1	0.1	0.2	0.1	0.1	0.4	0.6	0.6	0.7
6S	0.3	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.1	0.1	0.2	0.1	0.1	0.4	0.6	0.6	0.7
10S	0.3	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.1	0.1	0.2	0.1	0.1	0.4	0.6	0.6	0.7
14S	0.3	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.1	0.1	0.2	0.1	0.1	0.4	0.6	0.6	0.7
18S	0.3	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.1	0.1	0.2	0.1	0.1	0.4	0.6	0.6	0.7
22S	0.3	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.1	0.1	0.2	0.1	0.1	0.4	0.6	0.6	0.7
26S	0.3	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.1	0.1	0.2	0.1	0.1	0.4	0.6	0.6	0.7
30S	0.3	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.1	0.1	0.2	0.1	0.1	0.4	0.6	0.6	0.7
34S	0.3	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.1	0.1	0.2	0.1	0.1	0.4	0.6	0.6	0.7
38S	0.3	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.1	0.1	0.2	0.1	0.1	0.4	0.6	0.6	0.7
42S	0.3	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.1	0.1	0.2	0.1	0.1	0.4	0.6	0.6	0.7
46S	0.3	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.1	0.1	0.2	0.1	0.1	0.4	0.6	0.6	0.7
50S	0.3	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.1	0.1	0.2	0.1	0.1	0.4	0.6	0.6	0.7
54S	0.3	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.1	0.1	0.2	0.1	0.1	0.4	0.6	0.6	0.7
58S	0.3	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.1	0.1	0.2	0.1	0.1	0.4	0.6	0.6	0.7
62S	0.3	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.1	0.1	0.2	0.1	0.1	0.4	0.6	0.6	0.7
66S	0.3	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.1	0.1	0.2	0.1	0.1	0.4	0.6	0.6	0.7
70S	0.3	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.1	0.1	0.2	0.1	0.1	0.4	0.6	0.6	0.7
74S	0.3	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.1	0.1	0.2	0.1	0.1	0.4	0.6	0.6	0.7
78S	0.3	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.1	0.1	0.2	0.1	0.1	0.4	0.6	0.6	0.7
82S	0.3	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.1	0.1	0.2	0.1	0.1	0.4	0.6	0.6	0.7
86S	0.3	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.1	0.1	0.2	0.1	0.1	0.4	0.6	0.6	0.7
90S	0.3	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.1	0.1	0.2	0.1	0.1	0.4	0.6	0.6	0.7

Table 5.5A—Continued

WVF	93E	107E	124E	140E	158E	175E	192E	209E	226E	243E	260E	277E	294E	311E	328E	345E	362E	379E	396E	413E	430E	447E	464E	481E	498E	515E	532E	549E	566E	583E	600E	617E	634E	651E	668E	685E	702E	719E	736E	753E	770E	787E	804E	821E	838E	855E	872E	889E	906E	923E	940E	957E	974E	991E	1008E	1025E	1042E	1059E	1076E	1093E	1110E	1127E	1144E	1161E	1178E	1195E	1212E	1229E	1246E	1263E	1280E	1297E	1314E	1331E	1348E	1365E	1382E	1399E	1416E	1433E	1450E	1467E	1484E	1501E	1518E	1535E	1552E	1569E	1586E	1603E	1620E	1637E	1654E	1671E	1688E	1705E	1722E	1739E	1756E	1773E	1790E	1807E	1824E	1841E	1858E	1875E	1892E	1909E	1926E	1943E	1960E	1977E	1994E	2011E	2028E	2045E	2062E	2079E	2096E	2113E	2130E	2147E	2164E	2181E	2198E	2215E	2232E	2249E	2266E	2283E	2300E	2317E	2334E	2351E	2368E	2385E	2402E	2419E	2436E	2453E	2470E	2487E	2504E	2521E	2538E	2555E	2572E	2589E	2606E	2623E	2640E	2657E	2674E	2691E	2708E	2725E	2742E	2759E	2776E	2793E	2810E	2827E	2844E	2861E	2878E	2895E	2912E	2929E	2946E	2963E	2980E	2997E	3014E	3031E	3048E	3065E	3082E	3099E	3116E	3133E	3150E	3167E	3184E	3201E	3218E	3235E	3252E	3269E	3286E	3303E	3320E	3337E	3354E	3371E	3388E	3405E	3422E	3439E	3456E	3473E	3490E	3507E	3524E	3541E	3558E	3575E	3592E	3609E	3626E	3643E	3660E	3677E	3694E	3711E	3728E	3745E	3762E	3779E	3796E	3813E	3830E	3847E	3864E	3881E	3898E	3915E	3932E	3949E	3966E	3983E	4000E	4017E	4034E	4051E	4068E	4085E	4102E	4119E	4136E	4153E	4170E	4187E	4204E	4221E	4238E	4255E	4272E	4289E	4306E	4323E	4340E	4357E	4374E	4391E	4408E	4425E	4442E	4459E	4476E	4493E	4510E	4527E	4544E	4561E	4578E	4595E	4612E	4629E	4646E	4663E	4680E	4697E	4714E	4731E	4748E	4765E	4782E	4799E	4816E	4833E	4850E	4867E	4884E	4901E	4918E	4935E	4952E	4969E	4986E	5003E	5020E	5037E	5054E	5071E	5088E	5105E	5122E	5139E	5156E	5173E	5190E	5207E	5224E	5241E	5258E	5275E	5292E	5309E	5326E	5343E	5360E	5377E	5394E	5411E	5428E	5445E	5462E	5479E	5496E	5513E	5530E	5547E	5564E	5581E	5598E	5615E	5632E	5649E	5666E	5683E	5700E	5717E	5734E	5751E	5768E	5785E	5802E	5819E	5836E	5853E	5870E	5887E	5904E	5921E	5938E	5955E	5972E	5989E	6006E	6023E	6040E	6057E	6074E	6091E	6108E	6125E	6142E	6159E	6176E	6193E	6210E	6227E	6244E	6261E	6278E	6295E	6312E	6329E	6346E	6363E	6380E	6397E	6414E	6431E	6448E	6465E	6482E	6499E	6516E	6533E	6550E	6567E	6584E	6601E	6618E	6635E	6652E	6669E	6686E	6703E	6720E	6737E	6754E	6771E	6788E	6805E	6822E	6839E	6856E	6873E	6890E	6907E	6924E	6941E	6958E	6975E	6992E	7009E	7026E	7043E	7060E	7077E	7094E	7111E	7128E	7145E	7162E	7179E	7196E	7213E	7230E	7247E	7264E	7281E	7298E	7315E	7332E	7349E	7366E	7383E	7400E	7417E	7434E	7451E	7468E	7485E	7502E	7519E	7536E	7553E	7570E	7587E	7604E	7621E	7638E	7655E	7672E	7689E	7706E	7723E	7740E	7757E	7774E	7791E	7808E	7825E	7842E	7859E	7876E	7893E	7910E	7927E	7944E	7961E	7978E	7995E	8012E	8029E	8046E	8063E	8080E	8097E	8114E	8131E	8148E	8165E	8182E	8199E	8216E	8233E	8250E	8267E	8284E	8301E	8318E	8335E	8352E	8369E	8386E	8403E	8420E	8437E	8454E	8471E	8488E	8505E	8522E	8539E	8556E	8573E	8590E	8607E	8624E	8641E	8658E	8675E	8692E	8709E	8726E	8743E	8760E	8777E	8794E	8811E	8828E	8845E	8862E	8879E	8896E	8913E	8930E	8947E	8964E	8981E	8998E	9015E	9032E	9049E	9066E	9083E	9100E	9117E	9134E	9151E	9168E	9185E	9202E	9219E	9236E	9253E	9270E	9287E	9304E	9321E	9338E	9355E	9372E	9389E	9406E	9423E	9440E	9457E	9474E	9491E	9508E	9525E	9542E	9559E	9576E	9593E	9610E	9627E	9644E	9661E	9678E	9695E	9712E	9729E	9746E	9763E	9780E	9797E	9814E	9831E	9848E	9865E	9882E	9899E	9916E	9933E	9950E	9967E	9984E	10001E	10018E	10035E	10052E	10069E	10086E	10103E	10120E	10137E	10154E	10171E	10188E	10205E	10222E	10239E	10256E	10273E	10290E	10307E	10324E	10341E	10358E	10375E	10392E	10409E	10426E	10443E	10460E	10477E	10494E	10511E	10528E	10545E	10562E	10579E	10596E	10613E	10630E	10647E	10664E	10681E	10698E	10715E	10732E	10749E	10766E	10783E	10800E	10817E	10834E	10851E	10868E	10885E	10902E	10919E	10936E	10953E	10970E	10987E	11004E	11021E	11038E	11055E	11072E	11089E	11106E	11123E	11140E	11157E	11174E	11191E	11208E	11225E	11242E	11259E	11276E	11293E	11310E	11327E	11344E	11361E	11378E	11395E	11412E	11429E	11446E	11463E	11480E	11497E	11514E	11531E	11548E	11565E	11582E	11599E	11616E	11633E	11650E	11667E	11684E	11701E	11718E	11735E	11752E	11769E	11786E	11803E	11820E	11837E	11854E	11871E	11888E	11905E	11922E	11939E	11956E	11973E	11990E	12007E	12024E	12041E	12058E	12075E	12092E	12109E	12126E	12143E	12160E	12177E	12194E	12211E	12228E	12245E	12262E	12279E	12296E	12313E	12330E	12347E	12364E	12381E	12398E	12415E	12432E	12449E	12466E	12483E	12500E	12517E	12534E	12551E	12568E	12585E	12602E	12619E	12636E	12653E	12670E	12687E	12704E	12721E	12738E	12755E	12772E	12789E	12806E	12823E	12840E	12857E	12874E	12891E	12908E	12925E	12942E	12959E	12976E	12993E	13010E	13027E	13044E	13061E	13078E	13095E	13112E	13129E	13146E	13163E	13180E	13197E	13214E	13231E	13248E	13265E	13282E	13299E	13316E	13333E	13350E	13367E	13384E	13401E	13418E	13435E	13452E	13469E	13486E	13503E	13520E	13537E	13554E	13571E	13588E	13605E	13622E	13639E	13656E	13673E	13690E	13707E	13724E	13741E	13758E	13775E	13792E	13809E	13826E	13843E	13860E	13877E	13894E	13911E	13928E	13945E	13962E	13979E	13996E	14013E	14030E	14047E	14064E	14081E	14098E	14115E	14132E	14149E	14166E	14183E	14200E	14217E	14234E	14251E	14268E	14285E	14302E	14319E	14336E	14353E	14370E	14387E	14404E	14421E	14438E	14455E	14472E	14489E	14506E	14523E	14540E	14557E	14574E	14591E	14608E	14625E	14642E	14659E	14676E	14693E	14710E	14727E	14744E	14761E	14778E	14795E	14812E	14829E	14846E	14863E	14880E	14897E	14914E	14931E	14948E	14965E	14982E	15000E	15017E	15034E	15051E	15068E	15085E	15102E	15119E	15136E	15153E	15170E	15187E	15204E	15221E	15238E	15255E	15272E	15289E	15306E	15323E	15340E	15357E	15374E	15391E	15408E	15425E	15442E	15459E	15476E	15493E	15510E	15527E	15544E	15561E	15578E	15595E	15612E	15629E	15646E	15663E	15680E	15697E	15714E	15731E	15748E	15765E	15782E	15799E	15816E	15833E	15850E	15867E	15884E	15901E	15918E	15935E	15952E	15969E	15986E	16003E	16020E	16037E	16054E	16071E	16088E	16105E	16122E	16139E	16156E	16173E	16190E	16207E	16224E	16241E	16258E	16275E	16292E	16309E	16326E	16343E	16360E	16377E	16394E	16411E	16428E	16445E	16462E	16479E	16496E	16513E	16530E	16547E	16564E	16581E	16598E	16615E	16632E	16649E	16666E	16683E	16700E	16717E	16734E	16751E	16768E	16785E	16802E	16819E	16836E	16853E	16870E	16887E	16904E	16921E	16938E	16955E	16972E	16989E	17006E	17023E	17040E	17057E	17074E	17091E	17108E	17125E	17142E	17159E	17176E	17193E	17210E	17227E	17244E	17261E	17278E	17295E	17312E	17329E	17346E	17363E	17380E	17397E	17414E	17431E	17448E	17465E	17482E	17499E	17516E	17533E	17550E	17567E	17584E	17601E	17618E	17635E	17652E	17669E	17686E	17703E	17720E	17737E	17754E	17771E	17788E	17805E	17822E	17839E	17856E	17873E	17890E	17907E	17924E	17941E	17958E	17975E	17992E	18009E	18026E	18043E	18060E	18077E	18094E	18111E	18128E	18145E	18162E	18179E	18196E	18213E	18230E	18247E	18264E	18281E	18298E	18315E	18332E	18349E	18366E	18383E	18400E	18417E	18434E	18451E	18468E	18485E	18502E	18519E	18536E	18553E	18570E	18587E	18604E	18621E	18638E	18655E	18672E	18689E	18706E	18723E	18740E	18757E	18774E	18791E	18808E	18825E	18842E	18859E	18876E	18893E	18910E	18927E	18944E	18961E	18978E	18995E	19012E	19029E	19046E	19063E	19080E	19097E	19114E	19131E	19148E	19165E	19182E	19199E	19216E	19233E	19250E	19267E	19284E	19301E	19318E	19335E	19352E	19369E	19386E	19403E	19420E	19437E	19454E	19471E	19488E	19505E	19522E	19539E	19556E	19573E	19590E	19607E	19624E	19641E	19658E	19675E	19692E	19709E	19726E	19743E	19760E	19777E	19794E	19811E	19828E	19845E	19862E	19879E	19896E	19913E	19930E	19947E	19964E	19981E	20000E
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Table 5.5B---Continued

	90W	85W	80W	75W	70W	65W	60W	55W	50W	45W	40W	35W	30W	25W	20W	15W	10W	5W
90N	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
86N	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
82N	1.0	1.0	1.0	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
78N	0.8	0.8	0.9	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
74N	0.8	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
70N	0.9	0.7	0.7	0.9	0.8	0.9	0.7	0.7	1.0	1.0	1.0	1.0	1.0	0.8	0.7	0.6	0.5	0.4
66N	0.6	0.7	0.9	0.6	0.6	0.9	0.6	0.5	1.0	1.0	1.0	1.0	1.0	0.8	0.7	0.6	0.5	0.4
62N	0.4	0.5	0.5	0.6	0.6	0.6	0.6	0.7	1.0	1.0	1.0	1.0	1.0	0.6	0.7	0.6	0.7	0.7
58N	0.6	0.7	0.7	0.6	0.6	0.7	0.5	0.6	0.7	0.8	0.7	0.7	0.7	0.6	0.6	0.6	0.6	0.6
54N	0.5	0.5	0.5	0.7	0.6	0.6	0.6	0.5	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.6	0.6	0.6
50N	0.5	0.5	0.6	0.6	0.6	0.6	0.6	0.6	0.7	0.7	0.7	0.7	0.6	0.6	0.6	0.6	0.7	0.5
46N	0.4	0.4	0.4	0.5	0.5	0.4	0.4	0.4	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.4
42N	0.4	0.5	0.5	0.5	0.5	0.4	0.4	0.3	0.5	0.5	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.3
38N	0.4	0.5	0.5	0.4	0.4	0.4	0.3	0.3	0.4	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.2
34N	0.4	0.5	0.5	0.4	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
30N	0.4	0.4	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2
26N	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2
22N	0.2	0.4	0.4	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2
18N	0.6	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.3	0.3	0.4	0.4	0.4	0.4	0.4	0.4	0.6
14N	0.5	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.4	0.4	0.4	0.4	0.4	0.4	0.4
10N	0.9	0.5	0.6	0.5	0.5	0.6	0.5	0.4	0.5	0.4	0.4	0.5	0.5	0.5	0.6	0.6	0.5	0.5
6N	0.6	0.7	0.7	0.5	0.6	0.4	0.5	0.5	0.4	0.4	0.5	0.5	0.5	0.4	0.4	0.5	0.5	0.5
2N	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
0S	0.5	0.7	0.5	0.4	0.4	0.4	0.2	0.2	0.1	0.1	0.2	0.3	0.4	0.4	0.4	0.4	0.4	0.4
10S	0.5	0.7	0.5	0.9	0.3	0.2	0.1	0.1	0.1	0.2	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.3
14S	0.5	0.6	0.5	0.3	0.6	0.3	0.2	0.1	0.1	0.2	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.4
18S	0.3	0.5	0.6	0.3	0.3	0.4	0.3	0.2	0.2	0.2	0.5	0.3	0.2	0.2	0.2	0.3	0.3	0.4
22S	0.4	0.5	0.5	0.6	0.3	0.4	0.3	0.2	0.2	0.2	0.4	0.3	0.2	0.2	0.2	0.3	0.3	0.3
26S	0.4	0.4	0.4	0.5	0.3	0.3	0.4	0.3	0.4	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
30S	0.4	0.4	0.3	0.3	0.4	0.4	0.4	0.4	0.4	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
34S	0.5	0.5	0.6	0.4	0.5	0.3	0.4	0.5	0.5	0.5	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.3
38S	0.5	0.5	0.6	0.4	0.4	0.3	0.4	0.4	0.4	0.5	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
42S	0.5	0.5	0.5	0.5	0.5	0.6	0.4	0.5	0.5	0.5	0.4	0.4	0.4	0.5	0.4	0.5	0.4	0.4
46S	0.5	0.5	0.5	0.5	0.5	0.6	0.4	0.5	0.5	0.5	0.4	0.4	0.4	0.5	0.5	0.5	0.5	0.5
50S	0.5	0.5	0.5	0.5	0.5	0.6	0.4	0.5	0.5	0.5	0.4	0.4	0.4	0.5	0.5	0.5	0.5	0.5
54S	0.5	0.5	0.5	0.5	0.5	0.6	0.4	0.5	0.5	0.5	0.4	0.4	0.4	0.5	0.5	0.5	0.5	0.5
58S	0.5	0.5	0.5	0.5	0.5	0.6	0.4	0.5	0.5	0.5	0.4	0.4	0.4	0.5	0.5	0.5	0.5	0.5
62S	0.5	0.5	0.5	0.5	0.5	0.6	0.4	0.5	0.5	0.5	0.4	0.4	0.4	0.5	0.5	0.5	0.5	0.5
66S	0.5	0.5	0.5	0.5	0.5	0.6	0.4	0.5	0.5	0.5	0.4	0.4	0.4	0.5	0.5	0.5	0.5	0.5
70S	0.5	0.5	0.5	0.5	0.5	0.6	0.4	0.5	0.5	0.5	0.4	0.4	0.4	0.5	0.5	0.5	0.5	0.5
74S	0.5	0.5	0.5	0.5	0.5	0.6	0.4	0.5	0.5	0.5	0.4	0.4	0.4	0.5	0.5	0.5	0.5	0.5
78S	0.5	0.5	0.5	0.5	0.5	0.6	0.4	0.5	0.5	0.5	0.4	0.4	0.4	0.5	0.5	0.5	0.5	0.5
82S	0.5	0.5	0.5	0.5	0.5	0.6	0.4	0.5	0.5	0.5	0.4	0.4	0.4	0.5	0.5	0.5	0.5	0.5
86S	0.5	0.5	0.5	0.5	0.5	0.6	0.4	0.5	0.5	0.5	0.4	0.4	0.4	0.5	0.5	0.5	0.5	0.5
90S	0.5	0.5	0.5	0.5	0.5	0.6	0.4	0.5	0.5	0.5	0.4	0.4	0.4	0.5	0.5	0.5	0.5	0.5

Table 5.5B--Continued

[illegible]

Table 5.6A

	180W	175W	170W	165W	160W	155W	150W	145W	140W	135W	130W	125W	120W	115W	110W	105W	100W	95W
90N																		
86N																		
82N																		
78N	0.33	0.33	0.33	0.44	0.44	0.45	0.45	0.45	0.45	0.45	0.34	0.33	0.33	0.32	0.29	0.30	0.35	0.28
74N	0.44	0.44	0.44	0.44	0.45	0.45	0.45	0.45	0.45	0.45	0.34	0.33	0.33	0.32	0.29	0.30	0.35	0.28
70N	0.55	0.55	0.55	0.55	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.55	0.55	0.52	0.37	0.44	0.41	0.52
66N	1.10	1.21	1.10	0.77	0.78	1.11	1.11	1.16	1.16	1.15	1.23	0.96	0.77	0.63	0.53	0.50	0.52	0.60
62N	1.65	1.64	1.52	1.36	1.36	3.29	5.42	5.45	5.45	1.34	1.23	1.00	1.00	0.76	0.65	0.63	0.64	0.79
58N	2.25	2.19	2.12	2.12	2.12	4.66	7.12	7.40	7.40	3.01	2.93	1.61	1.22	0.95	0.84	0.83	0.87	1.01
54N	2.90	2.91	2.92	2.93	2.96	4.11	5.13	5.63	5.63	5.21	5.43	2.47	1.37	1.19	1.08	1.07	1.16	1.22
50N	3.56	3.60	3.64	3.70	3.86	4.11	3.95	3.75	3.48	4.11	5.48	4.11	1.37	1.37	1.23	1.23	1.32	1.37
46N	4.27	4.32	4.37	4.54	4.61	4.54	4.54	3.87	3.59	3.59	4.10	3.45	1.10	1.37	1.12	1.23	1.36	1.81
42N	4.74	4.73	4.74	4.73	4.70	4.52	4.02	3.66	3.15	3.15	3.15	3.04	1.03	0.96	0.85	1.32	1.37	2.16
38N	4.67	4.58	4.50	4.35	4.19	3.97	3.69	3.33	3.17	2.59	2.40	2.41	1.03	0.63	0.68	1.15	1.51	2.49
34N	4.08	3.93	3.76	3.51	3.38	3.23	2.89	2.60	2.58	2.03	1.76	1.55	0.96	0.63	0.32	0.86	1.71	2.74
30N	3.29	3.21	3.04	2.82	2.74	2.47	2.19	2.05	1.92	1.40	1.23	0.90	0.68	0.68	1.37	1.03	1.71	2.74
26N	2.72	2.65	2.57	2.45	2.32	2.14	1.95	1.73	1.57	1.20	1.03	0.84	0.77	0.63	0.32	1.30	1.44	2.19
22N	2.57	2.51	2.42	2.38	2.29	2.14	1.99	1.68	1.41	1.32	1.30	1.20	1.18	1.01	1.10	1.37	2.47	2.74
18N	2.91	2.87	2.81	2.81	2.72	2.47	2.33	2.12	1.92	1.32	1.65	1.83	1.82	1.81	1.92	3.29	2.47	2.74
14N	3.84	3.84	3.84	3.84	3.73	3.40	3.29	3.29	3.29	2.95	2.56	3.01	3.01	3.39	3.59	4.68	4.63	3.81
10N	5.48	5.48	5.48	5.48	5.48	5.43	5.48	5.48	5.48	5.14	5.14	5.48	5.48	6.85	6.99	6.99	6.71	8.08
6N	7.67	7.67	7.67	6.53	6.03	6.30	6.58	6.58	6.58	7.60	7.60	7.67	6.58	6.85	6.88	6.88	6.38	6.88
2N	5.75	4.85	4.65	3.92	3.29	3.42	3.56	3.56	4.07	4.03	4.03	3.91	3.29	3.15	3.11	3.07	2.77	2.79
2S	4.66	3.48	2.46	2.16	1.73	1.70	1.64	1.54	1.64	1.55	1.42	1.17	1.04	0.79	0.62	0.44	0.35	0.31
6S	5.75	5.																

Table 5.6A--Continued

	90W	85W	80W	75W	70W	65W	55W	60W	50W	45W	40W	35W	30W	25W	20W	15W	10W	5W
90N*****																		
86N*****																		
82N*****																		
78N	0.31	0.35	0.36	0.40	0.32	0.31	0.32	0.32	0.31	0.36	0.41	0.43	0.42	0.48	0.53	0.61	0.74	0.85
74N	0.39	0.47	0.52	0.53	0.44	0.42	0.44	0.44	0.39	0.51	0.67	0.80	0.72	0.71	0.77	0.89	1.08	1.24
70N	0.49	0.55	0.64	0.71	0.68	0.62	0.68	0.68	0.55	0.63	0.90	1.37	1.18	1.26	1.37	1.59	1.70	1.84
66N	0.62	0.64	0.65	0.69	0.65	0.93	1.23	1.51	0.65	0.57	1.82	2.44	2.43	2.25	2.47	2.51	2.62	2.73
62N	0.82	0.85	0.90	0.93	1.04	1.21	1.78	2.32	1.90	1.92	2.78	3.14	3.23	3.12	3.17	3.21	3.25	2.93
58N	1.05	1.18	1.30	1.36	1.51	2.05	2.79	2.95	2.95	3.10	3.60	3.71	3.80	3.78	3.62	3.44	3.25	2.85
54N	1.30	1.23	1.44	1.71	1.83	2.15	2.85	3.32	3.32	3.72	4.12	4.14	4.16	4.14	3.95	3.43	2.95	2.76
50N	1.53	1.53	1.71	2.08	2.30	2.52	2.74	3.42	3.42	4.00	4.14	4.16	4.18	4.15	4.11	3.45	2.96	2.74
46N	2.01	2.06	2.26	2.61	2.76	2.84	2.97	3.34	3.75	3.89	3.94	3.92	3.79	3.75	3.56	3.34	2.96	2.83
42N	2.41	2.44	2.60	3.11	3.21	3.25	3.33	3.45	3.38	3.24	3.20	3.18	3.11	3.08	2.99	2.94	2.83	1.96
38N	2.93	3.10	3.29	3.68	3.70	3.47	3.12	2.76	2.76	2.50	2.39	2.37	2.35	2.42	2.40	2.25	2.09	1.36
34N	3.33	3.75	4.07	4.17	3.97	3.32	2.63	2.52	2.14	1.87	1.69	1.67	1.65	1.81	1.79	1.45	0.99	1.11
30N	2.96	3.42	3.39	4.14	3.42	2.63	2.19	1.92	1.59	1.26	1.00	1.03	1.04	1.14	1.15	0.92	0.48	0.16
26N	2.18	2.39	3.41	3.63	2.82	2.28	1.97	1.50	1.14	0.78	0.69	0.64	0.62	0.67	0.56	0.35	0.19	0.12
22N	2.44	2.17	2.83	3.11	2.79	2.55	2.37	1.37	0.86	0.53	0.56	0.48	0.41	0.37	0.30	0.26	0.17	0.14
18N	3.84	4.05	3.41	2.21	2.22	2.22	2.70	1.64	1.14	0.92	0.72	0.55	0.47	0.42	0.39	0.73	0.76	0.56
14N	6.02	7.12	2.93	1.75	1.26	1.64	3.29	2.47	2.19	1.92	1.52	1.25	1.02	1.32	1.35	2.74	2.26	1.74
10N	8.19	8.19	6.16	3.56	1.37	2.74	5.48	4.11	4.11	4.11	3.97	3.42	2.47	3.84	4.56	8.22	4.93	4.11
6N	7.12	7.34	3.90	5.10	4.66	7.12	5.03	6.30	6.35	6.40	5.38	6.16	5.95	6.03	5.36	6.63	7.56	5.18
2N	2.90	3.34	7.12	6.30	7.12	8.20	6.58	6.85	7.95	6.44	5.08	4.79	5.19	4.44	4.09	3.81	4.54	3.41
25	0.24	0.55	4.38	6.83	7.95	7.71	5.85	6.30	7.12	5.23	3.84	3.29	3.51	2.27	1.90	1.59	1.52	1.51
6S	0.24	0.15	2.22	7.08	7.22	6.74	5.76	5.62	5.04	3.52	1.37	3.12	2.49	1.10	0.56	0.63	0.60	0.60
10S	0.48	0.14	0.12	8.22	5.95	5.75	4.41	6.16	3.29	2.74	1.37	3.29	2.05	0.90	0.55	0.41	0.27	0.26
14S	1.19	0.19	0.13	1.86	3.36	4.33	5.12	5.40	3.95	2.74	4.65	3.95	2.16	1.23	0.93	0.81	0.71	0.51
18S	1.58	0.66	0.22	0.18	1.17	2.41	3.97	4.63	4.11	3.23	4.29	3.70	2.52	1.79	1.55	1.32	1.15	0.99
22S	1.85	0.94	0.30	0.13	0.13	1.46	3.15	4.19	3.89	3.64	3.60	3.56	3.01	2.54	2.28	2.02	1.78	1.58
26S	2.12	1.08	0.42	0.16	0.24	1.55	2.74	3.97	3.53	3.74	3.84	3.86	3.58	3.36	3.07	2.85	2.60	2.26
30S	2.40	1.71	0.75	0.27	0.68	1.37	2.74	3.42	3.42	3.64	4.11	4.22	4.21	4.11	3.86	3.59	3.42	3.08
34S	2.95	2.54	2.40	2.25	0.68	1.64	2.41	2.75	2.88	3.45	4.09	4.24	4.35	4.33	4.25	4.07	3.88	3.63
38S	3.11	3.01	2.90	4.38	0.68	1.11	1.75	2.12	2.53	3.21	3.89	4.21	4.38	4.46	4.45	4.36	4.27	4.24
42S	3.13	3.07	2.95	5.43	0.68	0.55	1.23	1.90	2.42	2.99	3.70	4.16	4.35	4.46	4.50	4.47	4.46	4.52
46S	3.12	3.02	3.03	7.12	0.67	0.58	1.14	2.05	2.47	2.35	3.55	4.06	4.25	4.40	4.42	4.42	4.43	4.43
50S	2.99	2.93	3.42	13.70	0.66	0.68	1.59	2.19	2.47	2.85	3.40	3.77	4.11	4.13	4.23	4.25	4.29	4.29
54S	2.92	2.93	3.05	7.12	4.52	2.11	2.13	2.24	2.40	2.67	2.96	3.22	3.43	3.58	3.61	3.68	3.77	3.77
58S	2.72	2.79	2.32	3.83	3.82	2.48	2.32	2.25	2.10	2.42	2.55	2.68	2.80	2.83	2.93	3.02	3.10	3.10
62S	2.46	2.52	2.55	2.54	2.53	2.37	2.27	2.18	2.18	2.18	2.21	2.22	2.26	2.29	2.32	2.41	2.45	2.42
66S	2.15	2.17	2.18	2.15	2.08	2.05	1.99	1.99	1.99	1.93	1.92	1.85	1.82	1.82	1.81	1.83	1.85	1.76
70S	1.78	1.79	1.81	1.79	1.77	1.71	1.68	1.67	1.67	1.55	1.59	1.49	1.42	1.34	1.26	1.21	1.14	1.03
74S	1.56	1.52	1.45	1.41	1.39	1.41	1.42	1.43	1.43	1.37	1.30	1.21	1.11	0.93	0.87	0.70	0.60	0.42
78S	1.22	1.21	1.17	1.14	1.14	1.13	1.15	1.14	1.15	1.04	0.97	0.87	0.76	0.64	0.54	0.39	0.33	0.23
82S*****																		
86S*****																		
90S*****																		

Table 5.6A--Continued

	0E	5E	10E	15E	20E	25E	30E	35E	40E	45E	50E	55E	60E	65E	70E	75E	80E	85E
90N																		
86N	0.51	0.53	0.63	0.61	0.52	0.53	0.63	0.62	0.60	0.50	0.57	0.56	0.56	0.56	0.55	0.55	0.53	0.53
82N	0.59	0.73	0.76	0.80	0.81	0.32	0.81	0.77	0.73	0.54	0.53	0.62	0.62	0.62	0.61	0.50	0.59	0.58
78N	0.83	0.98	1.01	1.04	1.04	1.04	1.02	0.97	0.93	0.53	0.79	0.72	0.56	0.55	0.55	0.64	0.63	0.62
74N	1.31	1.36	1.40	1.34	1.53	1.24	1.24	1.19	1.17	1.03	0.58	0.82	0.67	0.57	0.68	0.7	0.75	0.75
70N	2.05	2.37	2.03	1.78	2.74	1.34	1.37	1.36	1.34	1.12	0.93	0.79	0.68	0.68	0.79	0.90	1.12	1.10
66N	2.76	2.53	2.05	1.73	1.65	1.39	1.39	1.20	1.31	1.32	1.30	1.20	1.23	1.21	1.24	1.28	1.32	1.29
62N	2.83	4.39	2.46	1.53	1.39	1.33	1.54	1.06	1.51	1.45	1.42	1.30	1.37	1.33	1.32	1.39	1.37	1.38
58N	2.55	4.12	2.43	1.53	1.64	1.57	1.83	1.79	1.53	1.46	1.41	1.32	1.37	1.22	1.19	1.22	1.14	1.38
54N	2.24	2.12	2.14	1.81	2.19	2.04	1.96	1.43	1.32	1.24	1.23	1.21	1.23	0.98	0.96	0.93	0.79	1.52
50N	2.08	2.26	2.19	2.19	2.74	1.71	1.37	1.37	1.10	0.73	0.67	0.68	0.56	0.53	0.68	0.82	0.63	2.05
46N	2.06	2.53	2.53	2.65	2.52	1.46	1.15	1.15	2.41	0.69	0.49	0.38	0.17	0.32	0.56	0.78	1.73	0.90
42N	1.64	1.91	1.92	2.75	2.65	1.55	1.25	1.13	1.93	1.10	0.49	0.30	0.28	0.52	1.04	0.36	0.91	0.33
38N	1.37	1.10	1.10	2.11	2.10	1.53	1.26	1.43	1.06	1.37	0.60	0.40	0.35	0.97	1.38	0.33	0.36	0.27
34N	1.12	0.57	0.58	0.96	0.92	1.12	0.90	1.57	0.45	1.14	0.68	0.58	0.52	1.21	1.24	0.71	1.64	0.66
30N	0.14	0.12	0.14	0.14	0.21	0.16	0.14	0.14	0.07	0.22	0.68	0.70	0.68	0.46	0.52	1.37	5.43	1.37
26N	0.08	0.08	0.08	0.05	0.07	0.06	0.05	0.12	0.25	0.13	0.30	0.36	0.58	0.53	0.57	2.44	3.30	4.11
22N	0.14	0.16	0.10	0.08	0.08	0.06	0.04	0.21	0.24	0.15	0.11	0.19	0.63	1.05	1.71	2.32	2.95	3.97
18N	0.53	0.54	0.44	0.31	0.34	0.32	0.32	0.58	0.40	0.19	0.13	0.22	0.95	1.93	2.81	2.32	2.96	3.69
14N	1.53	1.60	1.41	1.04	1.09	1.10	0.96	1.40	0.96	0.36	0.32	0.55	1.72	3.07	3.56	3.54	2.76	4.09
10N	3.51	3.39	3.42	2.73	2.73	2.74	2.05	2.88	2.05	0.88	0.48	1.37	3.10	4.14	4.11	6.85	2.74	4.11
6N	2.89	7.35	5.62	3.83	3.72	3.84	3.34	1.57	1.51	0.52	0.97	3.01	4.45	5.21	5.10	5.10	3.33	4.13
2N	2.29	4.73	4.03	4.03	4.38	4.27	3.78	2.19	1.04	1.75	2.70	4.76	5.48	6.04	5.98	5.64	5.33	5.44
2S	1.47	1.72	3.87															

Table 5.6A--Continued

	90E	95E	100E	105E	110E	115E	120E	125E	130E	135E	140E	145E	150E	155E	160E	165E	170E	175E
90N	0.52	0.52	0.52	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51
86N	0.52	0.52	0.52	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51
82N	0.58	0.58	0.59	0.59	0.59	0.59	0.57	0.56	0.56	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55
79N	0.65	0.69	0.63	0.55	0.67	0.65	0.63	0.62	0.61	0.61	0.61	0.61	0.61	0.61	0.61	0.61	0.61	0.61
74N	0.84	0.91	0.83	0.75	0.73	0.68	0.65	0.65	0.65	0.65	0.64	0.64	0.64	0.62	0.58	0.63	0.63	0.63
70N	1.37	1.37	1.14	1.00	0.79	0.71	0.67	0.63	0.68	0.67	0.70	0.67	0.67	0.66	0.66	0.68	0.67	0.68
66N	1.37	1.30	1.16	1.00	0.84	0.69	0.67	0.70	0.70	0.68	0.70	0.68	0.68	0.77	0.58	1.12	0.89	1.05
62N	1.37	1.30	1.13	0.96	1.02	0.89	0.68	0.77	0.69	0.68	1.06	1.11	1.08	1.10	1.05	1.31	1.26	1.54
58N	1.36	1.34	1.17	1.06	0.97	1.11	0.92	1.04	0.98	1.01	1.32	1.41	1.49	1.59	1.77	1.72	1.85	2.22
54N	1.22	1.23	1.15	1.15	0.71	1.12	1.27	1.37	1.41	1.50	1.45	1.58	1.82	2.16	2.56	2.45	2.60	2.98
50N	0.68	0.68	0.68	0.71	0.71	0.63	1.29	1.38	1.37	1.39	1.34	1.97	2.27	2.71	2.96	3.18	3.42	3.51
46N	0.52	0.66	0.52	0.50	0.36	0.32	1.08	1.37	1.79	2.25	2.55	2.59	2.82	3.11	3.46	3.74	3.97	4.16
42N	0.27	0.39	0.32	0.43	0.73	1.16	1.36	2.06	2.39	2.99	4.43	3.64	3.50	3.62	3.90	4.28	4.54	4.62
38N	0.39	0.46	0.53	0.78	1.16	1.37	1.71	2.61	3.28	4.25	5.44	4.41	3.98	3.92	4.11	4.46	4.94	4.66
34N	0.96	1.12	1.21	1.62	1.76	1.78	2.24	3.01	4.45	5.54	5.34	4.65	4.15	3.91	3.97	4.15	4.79	4.19
30N	1.64	2.19	1.92	2.71	3.34	3.42	2.99	4.11	5.82	5.73	5.23	4.63	4.11	3.67	3.42	3.42	3.42	3.29
26N	6.90	5.37	3.12	3.93	4.44	3.70	2.79	5.81	5.88	5.32	4.38	4.39	3.39	3.04	2.85	2.82	2.79	2.76
22N	6.99	4.11	4.25	4.93	4.61	3.73	4.59	6.41	6.05	5.35	5.00	4.59	4.00	3.19	2.72	2.68	2.66	2.63
18N	5.73	4.49	5.05	5.47	4.75	4.41	5.99	7.34	6.44	5.75	5.55	5.27	4.71	3.99	3.47	3.25	3.16	3.04
14N	5.15	7.14	5.44	5.46	5.15	5.85	5.52	7.83	6.85	6.51	6.47	6.27	5.91	5.27	4.93	4.38	4.14	3.97
10N	5.49	7.19	5.43	5.48	5.26	7.36	7.67	8.22	6.85	7.67	7.67	7.26	7.10	6.95	6.30	5.45	5.26	5.26
6N	5.83	8.31	6.79	6.47	7.08	8.05	3.11	8.27	7.07	7.31	7.56	8.03	8.10	8.43	3.93	8.75	8.94	8.07
2N	6.35	8.01	7.73	7.06	8.03	8.26	7.73	7.75	6.96	6.35								

Table 5.6B

	180W	175W	170W	165W	160W	155W	150W	145W	140W	135W	130W	125W	120W	115W	110W	105W	100W	95W
90N	0.38	0.38	0.38	0.38	0.38	0.39	0.38	0.39	0.38	0.38	0.38	0.38	0.38	0.39	0.38	0.38	0.38	0.38
86N	0.38	0.38	0.38	0.38	0.38	0.39	0.39	0.39	0.39	0.39	0.39	0.39	0.39	0.40	0.40	0.40	0.40	0.38
82N	0.44	0.44	0.44	0.43	0.43	0.43	0.43	0.42	0.42	0.42	0.42	0.42	0.42	0.42	0.42	0.41	0.41	0.40
78N	0.51	0.51	0.50	0.49	0.49	0.48	0.48	0.47	0.47	0.45	0.46	0.45	0.45	0.45	0.45	0.44	0.44	0.44
74N	0.60	0.60	0.60	0.60	0.61	0.61	0.59	0.58	0.58	0.57	0.57	0.53	0.51	0.49	0.49	0.49	0.49	0.49
70N	0.82	0.84	0.95	0.88	0.93	0.93	0.82	0.82	0.82	0.82	0.82	0.66	0.55	0.54	0.54	0.54	0.54	0.54
66N	0.91	0.96	1.03	1.27	1.29	1.42	1.44	1.26	1.18	1.22	1.18	1.19	1.03	0.85	0.90	1.03	1.07	1.07
62N	1.07	1.12	1.29	1.60	1.87	2.00	3.27	3.35	3.14	1.78	1.53	1.55	1.48	1.30	1.39	1.22	1.46	1.24
58N	1.44	1.49	1.61	1.89	2.20	2.44	3.78	4.01	3.89	2.62	2.78	2.08	2.05	1.80	1.57	1.48	1.68	1.48
54N	2.13	2.18	2.13	2.32	2.42	2.77	2.97	3.11	3.19	3.36	4.04	2.33	2.29	2.09	2.20	1.89	1.85	1.89
50N	3.19	3.19	3.19	3.24	3.30	3.30	3.41	3.46	3.41	3.19	2.64	1.10	1.10	1.65	2.20	2.20	2.20	2.20
46N	3.71	3.67	3.63	3.51	3.38	3.30	3.27	2.89	2.79	2.48	2.29	0.88	0.66	0.77	1.32	1.76	2.07	2.46
42N	3.52	3.40	3.21	2.91	2.69	2.54	2.45	2.19	2.11	1.85	1.54	0.56	0.38	0.48	1.49	1.65	2.30	2.76
38N	2.97	2.80	2.53	2.21	2.00	1.86	1.70	1.59	1.49	1.25	0.92	0.33	0.25	0.37	1.27	1.65	2.39	3.07
34N	2.33	2.18	1.91	1.69	1.58	1.46	1.26	1.16	0.99	0.74	0.58	0.25	0.22	0.27	0.38	1.59	2.13	3.08
30N	1.76	1.65	1.43	1.21	1.09	0.93	0.82	0.77	0.55	0.38	0.26	0.24	0.23	0.27	2.20	1.37	1.65	2.20
26N	1.45	1.25	1.12	0.95	0.79	0.63	0.56	0.48	0.42	0.34	0.27	0.27	0.27	0.27	0.88	3.70	2.09	2.29
22N	1.51	1.11	1.01	0.88	0.78	0.69	0.66	0.56	0.52	0.47	0.47	0.51	0.54	0.60	0.95	4.35	3.58	3.56
18N	1.81	1.50	1.45	1.38	1.35	1.33	1.32	1.23	1.20	1.17	1.22	1.27	1.33	1.79	2.31	4.73	5.08	5.23
14N	2.58	2.57	2.55	2.55	2.55	2.55	2.55	2.51	2.54	2.55	2.59	2.64	2.73	3.67	4.35	5.52	6.18	6.73
10N	4.34	4.29	4.18	4.18	4.18	4.18	4.18	4.18	4.34	4.40	4.60	4.60	4.62	5.33	5.93	6.70	7.14	7.69
6N	6.14	5.25	4.40	5.01	5.23	6.11	5.24	5.05	4.82	4.40	4.41	3.52	3.34	3.05	2.90	3.01	2.97	3.30
2N	4.45	3.52	2.90	2.95	2.86	3.26	2.79	2.64	2.47	2.25								

	90M	85M	80M	75M	70M	65M	60M	55M	50M	45M	40M	35M	30M	25M	20M	15M	10M	5M
90N	0.38	0.38	0.33	0.38	0.38	0.39	0.39	0.38	0.38	0.33	0.38	0.38	0.38	0.33	0.38	0.38	0.38	0.38
86N	0.40	0.40	0.39	0.39	0.38	0.33	0.37	0.36	0.35	0.33	0.31	0.30	0.30	0.30	0.30	0.30	0.31	0.35
82N	0.41	0.43	0.42	0.43	0.43	0.43	0.42	0.39	0.37	0.33	0.33	0.28	0.27	0.27	0.27	0.27	0.31	0.35
78N	0.44	0.47	0.47	0.49	0.51	0.52	0.53	0.47	0.43	0.37	0.34	0.32	0.32	0.30	0.27	0.27	0.34	0.35
74N	0.49	0.51	0.53	0.54	0.60	0.65	0.70	0.63	0.56	0.44	0.41	0.40	0.41	0.38	0.33	0.37	0.41	0.44
70N	0.53	0.53	0.54	0.55	0.71	0.82	1.03	0.93	0.82	0.48	0.48	0.49	0.52	0.55	0.55	0.55	0.55	0.55
66N	0.98	0.76	0.81	0.90	1.02	1.25	1.14	1.29	1.04	0.45	0.48	0.49	0.52	0.55	0.55	0.55	0.55	0.55
62N	1.10	0.92	0.95	1.12	1.36	1.57	1.57	1.60	1.36	0.90	1.14	1.40	1.34	0.90	0.99	0.99	0.95	0.85
58N	1.27	1.03	1.03	1.16	1.80	1.96	2.01	1.96	1.82	1.53	1.32	1.95	2.04	1.42	1.53	1.82	1.87	1.69
54N	1.67	1.27	1.30	1.34	2.30	2.49	2.42	2.33	2.33	2.41	2.45	2.64	2.71	2.75	2.95	3.10	2.55	2.20
50N	2.20	1.98	2.09	2.31	2.69	2.80	2.86	2.91	2.97	3.02	3.24	3.30	3.02	2.75	2.95	3.10	2.63	2.12
46N	2.59	2.59	2.66	2.88	3.09	3.20	3.25	3.22	3.01	2.80	2.30	2.64	2.45	2.25	2.54	2.31	2.14	1.81
42N	2.99	3.08	3.23	3.52	3.62	3.46	3.32	3.00	2.69	2.38	2.26	2.01	1.85	1.65	1.98	1.78	1.48	1.20
38N	3.36	3.54	3.78	4.04	3.86	3.35	2.97	2.52	2.19	1.93	1.71	1.46	1.32	1.08	0.79	0.79	0.79	0.71
34N	3.78	4.00	4.22	4.19	3.58	2.84	2.31	1.91	1.50	1.40	1.20	0.99	0.88	0.68	0.44	0.51	0.35	0.40
30N	4.40	4.40	4.40	3.57	2.75	2.09	1.65	1.21	0.99	0.82	0.71	0.55	0.44	0.27	0.22	0.13	0.19	0.22
26N	3.52	3.96	4.18	2.43	1.91	1.47	1.12	0.95	0.77	0.55	0.49	0.33	0.29	0.23	0.18	0.14	0.17	0.18
22N	4.02	4.01	4.29	2.18	1.58	1.04	0.85	0.85	0.75	0.47	0.44	0.31	0.27	0.26	0.24	0.22	0.23	0.23
18N	5.34	4.89	3.96	1.76	1.76	1.51	1.53	1.19	1.01	0.33	0.79	0.70	0.65	0.63	0.55	1.92	1.98	1.26
14N	7.03	6.92	4.54	1.32	1.65	2.12	2.66	2.00	1.70	1.55	1.71	1.78	1.85	1.32	2.23	5.71	5.30	4.40
10N	8.79	10.44	10.99	2.20	3.85	4.01	4.51	3.41	3.02	2.75	3.30	3.85	4.40	4.51	6.32	10.99	9.34	10.99
6N	4.40	7.36	9.67	2.20	4.73	5.20	5.52	5.52	4.12	2.75	3.30	3.85	4.40	4.85	6.66	6.59	6.26	5.71
2N	1.47	2.93	5.05	3.52	5.34	5.49	5.60	5.65	4.40	2.32	2.24	2.						

Table 5.6B--Continued

	OE	5E	10E	15E	20E	25E	30E	35E	40E	45E	50E	55E	60E	65E	70E	75E	80E	85E
90N	0.38	0.33	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.33	0.38	0.33	0.38	0.38	0.38	0.38
86N	0.37	0.38	0.39	0.41	0.42	0.44	0.45	0.45	0.45	0.45	0.45	0.33	0.38	0.44	0.43	0.38	0.42	0.33
82N	0.38	0.39	0.41	0.42	0.44	0.46	0.46	0.49	0.49	0.49	0.50	0.51	0.51	0.51	0.51	0.50	0.49	0.42
78N	0.40	0.44	0.47	0.52	0.57	0.61	0.62	0.63	0.63	0.64	0.65	0.65	0.66	0.66	0.64	0.63	0.61	0.47
74N	0.44	0.50	0.57	0.68	0.81	1.08	0.93	0.88	0.87	0.87	0.87	0.87	0.88	0.88	0.83	0.82	0.81	0.59
70N	0.55	0.55	0.66	0.77	0.99	2.09	1.37	1.10	1.08	1.04	1.04	1.08	1.10	1.10	1.09	1.02	0.91	0.79
66N	0.86	0.95	1.01	1.91	1.74	2.99	2.03	1.54	1.36	1.35	1.44	1.62	1.89	1.75	1.54	1.32	1.09	1.10
62N	1.43	1.74	2.42	2.16	1.92	1.99	2.16	1.98	1.69	1.83	1.77	1.96	2.15	1.75	1.54	1.45	1.45	1.36
58N	1.82	2.15	2.86	2.12	1.99	2.14	2.38	2.31	2.20	2.02	1.81	2.13	2.20	1.76	1.91	1.93	1.93	1.82
54N	1.87	2.11	2.20	2.09	2.11	2.44	2.65	2.36	2.08	1.64	1.49	1.98	1.93	1.63	2.09	1.92	2.15	2.09
50N	1.65	2.20	2.20	2.09	2.20	2.31	2.25	1.92	1.59	1.15	0.58	1.10	0.58	0.71	1.10	1.25	1.70	1.65
46N	1.65	2.11	2.29	2.18	2.11	2.31	1.35	1.26	2.08	1.11	0.02	0.43	0.38	0.35	0.42	0.60	1.00	0.77
42N	0.96	0.99	1.09	1.04	1.07	1.22	0.87	0.77	2.20	0.38	0.38	0.24	0.18	0.20	0.26	0.54	0.49	0.37
38N	0.41	0.26	0.26	0.26	0.32	0.38	0.53	0.43	1.42	1.26	0.41	0.31	0.19	0.21	0.60	2.08	0.53	0.55
34N	0.25	0.24	0.23	0.22	0.21	0.21	0.23	0.22	0.24	0.26	0.52	0.39	0.24	0.27	0.99	4.09	1.85	2.11
30N	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.14	0.13	0.19	0.20	0.20	0.11	0.27	0.55	3.30	5.49	6.59
26N	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.14	0.14	0.14	0.18	0.42	1.36	4.84	6.59	10.11
22N	0.23	0.23	0.21	0.20	0.20	0.20	0.20	0.22	0.22	0.16	0.17	0.17	0.23	0.79	3.56	5.55	6.70	8.35
18N	1.09	1.18	1.02	0.80	0.68	0.68	0.68	1.48	0.27	0.35	0.23	0.21	0.26	1.01	4.07	5.20	5.58	5.60
14N	3.14	3.12	2.66	2.19	1.98	1.92	1.98	3.79	1.10	0.55	0.44	0.23	0.31	1.05	3.52	5.67	4.09	4.02
10N	6.48	5.49	4.51	4.34	4.40	4.12	4.40	5.77	4.40	0.55	1.10	0.27	0.44	1.10	3.30	10.99	4.18	3.63
6N	4.81	9.45	7.05	6.58	5.71	5.22	4.84	5.11	3.78	2.31	0.88	0.76	1.14	1.93	3.38	5.71	4.26	3.63
2N	1.92	4.34	3.24	4.18	5.05	4.34	3.46	3.80	3.16	2.35	1.32	0.67						

	90E	95E	100E	105E	110E	115E	120E	125E	130E	135E	140E	145E	150E	155E	160E	165E	170E	175E
90N	0.38	0.39	0.33	0.38	0.38	0.38	0.38	0.38	0.38	0.33	0.38	0.38	0.38	0.33	0.38	0.38	0.38	0.38
86N	0.43	0.43	0.43	0.43	0.42	0.42	0.42	0.42	0.41	0.41	0.41	0.41	0.40	0.40	0.40	0.39	0.39	0.39
82N	0.49	0.49	0.48	0.48	0.47	0.47	0.46	0.46	0.46	0.46	0.46	0.46	0.46	0.46	0.47	0.46	0.45	0.45
78N	0.57	0.56	0.55	0.52	0.51	0.51	0.50	0.50	0.51	0.51	0.51	0.52	0.53	0.52	0.52	0.52	0.51	0.51
74N	0.75	0.70	0.66	0.62	0.55	0.56	0.57	0.59	0.60	0.61	0.63	0.65	0.67	0.65	0.62	0.56	0.56	0.58
70N	1.10	0.99	0.83	0.88	0.66	0.71	0.77	0.82	0.82	0.83	0.93	0.99	1.04	0.99	0.98	0.66	0.71	0.77
66N	1.32	1.08	0.97	0.92	0.84	0.84	0.90	0.96	1.04	1.14	1.20	1.16	1.09	1.03	0.92	0.92	0.98	0.95
62N	1.57	1.40	1.25	1.16	1.14	1.34	1.03	1.04	1.10	1.41	1.49	1.44	1.10	1.14	1.23	1.15	1.07	1.04
58N	1.90	1.73	1.74	1.65	1.67	1.86	1.56	1.57	1.98	2.63	1.85	1.73	1.43	1.60	1.52	1.31	1.20	1.31
54N	1.98	1.76	2.04	2.13	2.14	2.35	2.35	2.51	3.41	4.13	2.15	1.96	1.93	2.20	1.71	1.53	1.56	1.82
50N	1.10	1.10	1.43	2.09	1.92	2.01	2.75	3.30	3.85	3.30	2.20	2.09	1.98	2.20	1.98	2.14	2.31	2.53
46N	0.57	0.66	0.90	1.21	1.25	1.52	2.40	3.56	3.45	2.51	1.98	2.18	2.59	2.64	2.59	3.02	3.23	3.41
42N	0.51	0.38	0.47	1.12	1.76	3.19	3.23	4.09	3.32	2.21	3.40	3.05	3.01	3.01	3.18	3.54	3.63	3.56
38N	0.99	0.93	1.04	1.93	2.64	4.40	4.07	4.40	3.34	3.04	4.40	3.45	3.23	3.33	3.59	3.60	3.52	3.27
34N	2.31	2.42	2.63	3.47	3.52	4.55	4.67	4.35	3.58	4.29	4.21	3.25	3.40	3.67	3.67	3.30	3.01	2.76
30N	4.95	4.40	4.34	5.27	4.40	5.22	5.77	4.19	4.29	3.85	4.46	4.52	3.79	3.63	3.19	2.86	2.31	2.14
26N	9.78	9.67	6.58	8.97	6.07	6.23	5.55	5.45	4.61	4.29	4.03	3.96	3.57	3.32	2.94	2.29	1.96	1.75
22N	9.67	8.35	7.50	7.91	6.22	5.23	6.15	5.74	5.11	4.53	4.27	4.10	3.58	3.27	2.62	2.11	1.87	1.67
18N	7.69	8.35	7.50	6.15	4.51	4.07	3.35	5.74	5.73	5.30	4.50	4.36	3.91	3.52	2.84	2.35	2.00	1.89
14N	5.93	10.55	6.15	6.59	2.26	3.57	9.67	5.80	6.49	6.43	5.71	5.04	4.68	4.22	3.71	3.12	2.64	2.64
10N	5.49	8.79	4.40	10.99	2.53	3.57	4.40	5.32	6.54	6.07	6.59	6.32	5.04	5.71	5.38	4.62	4.40	4.40
6N	4.40	5.27	6.59	5.36	3.49	6.21	4.18	5.66	5.48	6.21	6.59	6.53	6.66	6.59	6.35	5.76	5.93	6.15
2N	4.29	5.05	5.49	4.88	5.45	6.87	4.29	4.84	4.69	5.05</								

Table 5.7

[illegible]

	90W	85W	80W	75W	70W	65W	60W	55W	50W	45W	40W	35W	30W	25W	20W	15W	10W	5W
90N*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
86N*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
82N*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
78N*****	1.96	1.96	1.96	*****	1.20	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
74N*****	2.02	2.02	2.02	*****	0.68	*****	0.32	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
70N*****	2.10	2.10	2.10	*****	2.10	*****	0.32	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	0.39
66N*****	2.17	2.17	*****	*****	2.10	*****	0.32	0.32	*****	*****	*****	*****	*****	*****	*****	0.39	0.61	0.68
62N*****	*****	*****	2.20	*****	2.20	*****	0.32	0.32	*****	*****	*****	*****	*****	*****	*****	1.88	1.05	1.04
58N*****	*****	*****	2.28	*****	2.28	*****	1.10	0.32	0.32	*****	0.49	0.80	1.14	1.50	1.74	1.39	1.43	1.26
54N*****	2.54	2.54	*****	2.40	2.40	1.92	1.87	0.32	0.32	0.59	0.79	1.13	1.54	1.90	2.00	1.86	1.56	1.99
50N*****	2.61	2.65	2.65	2.58	2.58	0.32	0.32	0.32	0.32	0.55	1.00	1.52	1.57	2.26	2.26	1.81	1.35	0.94
46N*****	2.59	2.80	2.80	2.79	2.74	2.21	0.32	0.32	0.32	0.90	2.01	2.11	2.21	2.44	2.31	1.96	1.07	0.91
42N*****	2.62	2.80	2.90	2.92	1.69	1.55	0.59	0.63	0.90	1.82	2.47	2.55	2.58	2.60	2.44	2.00	1.35	0.86
38N*****	2.68	2.89	3.01	3.10	1.88	1.45	1.48	1.50	2.06	2.74	2.86	2.91	2.89	2.75	2.55	2.08	1.58	0.62
34N*****	2.74	3.01	3.21	3.34	3.26	2.61	2.77	2.98	3.40	3.43	3.39	3.26	3.12	2.89	2.62	2.16	1.32	0.28
30N*****	2.74	3.19	3.52	3.55	3.29	3.35	3.68	3.94	4.10	4.13	4.03	3.63	3.35	2.91	2.55	2.03	0.26	0.23
26N*****	3.08	3.27	3.80	4.27	4.32	4.54	4.61	4.66	4.72	4.70	4.42	3.94	3.51	2.99	2.57	0.84	0.26	0.23
22N*****	3.20	3.54	4.72	4.72	4.91	5.07	5.09	5.08	5.08	4.94	4.57	3.92	3.45	2.86	2.39	0.29	0.32	0.30
18N*****	*****	3.52	4.48	4.93	5.15	5.33	5.37	5.37	5.28	5.00	4.60	3.87	3.31	2.73	2.17	0.95	1.12	1.09
14N*****	*****	3.23	4.51	4.30	4.51	4.95	3.60	5.59	5.39	5.03	4.61	3.93	3.20	2.53	1.39	1.39	2.26	2.21
10N*****	3.94	3.23	4.48	1.61	1.77	2.32	5.81	5.74	5.52	5.16	4.71	3.94	3.23	2.58	1.94	2.23	2.26	2.26
6N*****	3.88	3.37	4.25	*****	1.90	*****	3.87	3.81	5.75	5.42	5.07	4.40	3.74	2.39	2.19	1.68	1.61	2.26
2N*****	3.66	3.68	3.77	*****	2.13	*****	3.29	3.21	6.04	5.35	5.51	4.96	4.43	3.66	2.84	1.97	1.55	1.85
2S*****	3.53	3.36	2.22	2.01	2.36	2.65	2.84	2.82	4.52	4.29	4.12	5.59	5.18	4.54	3.87	3.03	2.45	2.24
6S*****	3.58	3.16	0.71	2.13	2.36	2.18	2.13	2.18	1.79	1.39	1.60	6.17	5.89					

Table 5.7--Continued

	0E	5E	10E	15E	20E	25E	30E	35E	40E	45E	50E	55E	60E	65E	70E	75E	80E	85E
90N	0.52	0.57	0.60	0.57	0.53	0.79	0.73	0.30	0.30	0.26	0.26	0.26	0.26	0.26	0.70	0.71	0.72	0.74
86N	0.77	0.81	0.81	0.77	0.71	2.42	2.35	0.32	0.32	0.29	0.29	0.29	0.29	0.29	2.23	2.26	2.29	2.42
82N	1.01	0.94	0.88	0.88	0.97	2.50	2.54	0.22	2.10	2.10	2.12	2.15	2.15	2.17	2.56	2.59	2.60	2.70
78N	1.12	0.95	1.72	1.72	1.11	1.20	2.60	1.87	2.65	2.59	2.58	2.59	2.50	2.47	2.55	2.62	2.62	2.66
74N	1.07	0.92	1.64	1.61	0.43	1.17	2.66	2.85	2.66	2.47	2.32	2.32	2.23	2.19	2.32	2.40	2.45	2.45
70N	0.93	1.17	1.02	0.97	0.92	2.48	2.77	2.74	2.52	2.13	1.74	1.74	1.74	1.74	1.92	2.03	2.12	2.12
66N	0.90	2.26	2.26	2.26	2.29	2.58	2.90	2.58	2.26	1.61	0.97	0.97	0.97	0.97	1.32	1.65	1.55	1.55
62N	1.99	2.26	2.26	2.26	2.52	2.32	2.39	3.10	3.03	1.48	3.55	0.53	0.53	0.45	0.52	0.72	0.57	0.57
58N	1.48	2.26	2.26	1.48	1.61	2.41	1.10	1.10	1.10	1.10	3.61	0.32	0.32	0.30	0.32	0.32	0.32	0.32
54N	0.70	1.48	1.48	1.56	1.57	2.52	1.21	1.21	1.21	1.21	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25
50N	0.28	0.30	0.30	2.01	2.03	2.06	2.08	2.11	0.28	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25
46N	0.23	0.23	0.23	0.23	0.19	0.23	0.23	0.23	0.23	0.19	0.19	0.19	0.19	0.16	0.26	0.26	0.26	0.26
42N	0.20	0.20	0.20	0.20	0.19	0.23	0.23	0.23	0.23	0.17	0.17	0.17	0.17	0.24	0.24	0.24	0.24	0.24
38N	0.29	0.27	0.27	0.25	0.25	0.26	0.28	1.61	2.00	0.20	0.20	0.20	0.20	0.24	0.24	0.24	0.24	0.24
34N	0.99	1.03	1.03	0.82	0.69	0.69	0.63	1.16	2.06	0.25	0.25	0.25	0.25	0.24	0.24	0.24	0.24	0.24
30N	2.06	2.21	2.19	1.79	1.52	1.52	1.41	2.06	2.06	0.39	0.35	0.35	0.35	0.24	0.24	0.24	0.24	0.24
26N	2.58	2.65	2.58	2.52	2.45	2.45	2.55	2.53	2.53	0.81	0.61	0.61	0.61	0.24	0.24	0.24	0.24	0.24
22N	2.43	1.51	2.45	2.57	2.71	2.61	2.55	1.81	1.81	0.55	0.55	0.55	0.55	0.24	0.24	0.24	0.24	0.24
18N	1.85	1.36	1.74	2.19	2.46	2.32	2.32	2.32	2.32	0.84	0.84	0.84	0.84	0.24	0.24	0.24	0.24	0.24
14N	1.92	1.65	1.41	1.66	1.87	1.77	1.77	1.77	1.77	2.40	2.40	2.40	2.40	0.24	0.24	0.24	0.24	0.24
10N	2.85	2.19	1.72	1.20	1.10	1.16	0.96	0.77	3.93	4.56	4.56	4.56	4.56	0.24	0.24	0.24	0.24	0.24
06N	3.94	3.23	2.26	0.97	0.32	0.65	0.94	1.29	1.45	4.74	4.77	4.81	4.84	0.24	0.24	0.24	0.24	0.24
02N	4.19	3.48	2.52	0.40	0.30	0.39	0.60	1.01	1.09	4.87	4.87	4.87	4.87	0.24	0.24	0.24	0.24	0.24
18S	4.16	3.55	2.58	0.22	0.25	0.28	0.40	3.28	3.36	2.35	1.76	5.14	5.23	0.24	0.24	0.24	0.24	0.24
22S	4.01	3.50	2.68	0.19	0.23	0.28	0.32	4.94	5.04	0.77	5.43	5.43	5.43	0.24	0.24	0.24	0.24	0.24
26S	3.83	3.41	2.86	0.70	0.25	0.35	0.35	5.11	5.20	1.83	5.45	5.50	5.55	0.24	0.24	0.24	0.24	0.24
30S	3.65	3.39	2.97	2.74	0.32	0.43	0.43	5.16	5.23	5.29	5.29	5.29	5.32	0.24	0.24	0.24	0.24	0.24
34S	3.54	3.34	3.17	3.13	3.94	4.12	4.12	5.08	5.07	5.06	5.03	5.03	5.04	0.24	0.24	0.24	0.24	0.24
38S	3.38	3.42	3.61	4.15	4.84	4.92	4.92	4.74	4.68	4.54	4.50	4.50	4.50	0.24	0.24	0.24	0.24	0.24
42S	3.23	3.35	3.59	4.14	4.19	4.19	4.19	4.00	3.96	3.83	3.81	3.81	3.81	0.24	0.24	0.24	0.24	0.24
46S	3.09	3.11	3.11	3.14	3.17	3.17	3.18	3.18	3.19	3.19	3.19	3.19	3.19	0.24	0.24	0.24	0.24	0.24
50S	2.94	2.90	2.90	2.94	2.94	2.97	3.00	3.00	3.03	3.03	3.03	3.03	3.03	0.24	0.24	0.24	0.24	0.24
54S	2.81	2.80	2.80	2.83	2.86	2.86	2.90	2.90	2.93	2.93	2.93	2.93	2.93	0.24	0.24	0.24	0.24	0.24
58S	2.65	2.65	2.65	2.65	2.65	2.65	2.65	2.65	2.65	2.65	2.65	2.65	2.65	0.24	0.24	0.24	0.24	0.24
62S	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	0.24	0.24	0.24	0.24	0.24
66S	2.35	2.35	2.35	2.35	2.35	2.35	2.35	2.35	2.35	2.35	2.35	2.35	2.35	0.24	0.24	0.24	0.24	0.24
70S	2.20	2.20	2.20	2.20	2.20	2.20	2.20	2.20	2.20	2.20	2.20	2.20	2.20	0.24	0.24	0.24	0.24	0.24
74S	2.05	2.05	2.05	2.05	2.05	2.05	2.05	2.05	2.05	2.05	2.05	2.05	2.05	0.24	0.24	0.24	0.24	0.24
78S	1.90	1.90	1.90	1.90	1.90	1.90	1.90	1.90	1.90	1.90	1.90	1.90	1.90	0.24	0.24	0.24	0.24	0.24
82S	1.75	1.75	1.75	1.75	1.75	1.75	1.75	1.75	1.75	1.75	1.75	1.75	1.75	0.24	0.24	0.24	0.24	0.24
86S	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	0.24	0.24	0.24	0.24	0.24
90S	1.45	1.45	1.45	1.45	1.45	1.45	1.45	1.45	1.45	1.45	1.45	1.45	1.45	0.24	0.24	0.24	0.24	0.24

	90E	95E	100E	105E	110E	115E	120E	125E	130E	135E	140E	145E	150E	155E	160E	165E	170E	175E
90N	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
86N	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
82N	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
78N	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
74N	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
70N	2.48	2.55	2.52	2.52	2.42	2.26	2.26	2.17	2.17	2.15	2.15	2.23	2.23	2.23	2.23	2.23	2.23	2.23
66N	2.79	2.31	2.70	2.57	2.47	2.31	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25
62N	2.64	2.54	2.47	2.43	2.39	2.30	2.26	2.26	2.26	2.26	2.26	2.26	2.26	2.26	2.26	2.26	2.26	2.26
58N	2.42	2.30	2.33	2.31	*****	*****	*****	*****	*****	2.66	*****	*****	*****	*****	0.84	1.10	1.13	0.32
54N	*****	*****	2.28	2.28	*****	*****	*****	*****	*****	3.10	0.79	0.32	0.32	1.35	1.35	0.32	0.32	0.32
50N	*****	*****	2.26	2.26	*****	2.26	2.26	2.29	2.48	2.61	2.55	0.32	0.32	0.32	0.32	0.32	0.32	0.32
46N	0.32	*****	*****	*****	*****	*****	*****	2.39	2.56	2.64	0.79	0.32	0.37	0.53	0.58	0.53	0.48	0.48
42N	*****	*****	*****	*****	*****	*****	*****	2.54	1.21	1.25	0.48	0.71	0.33	0.33	0.34	0.77	0.73	0.75
38N	*****	*****	*****	*****	*****	*****	2.83	1.80	0.42	1.48	1.15	1.46	1.46	1.33	1.23	1.17	1.17	1.29
34N	*****	*****	*****	3.26	3.33	3.26	3.26	0.65	0.94	3.25	2.34	2.40	2.15	1.94	1.40	1.77	1.32	2.09
30N	*****	*****	3.23	3.55	3.87	3.55	3.55	1.13	2.26	3.32	3.32	3.23	2.90	2.61	2.55	2.52	2.65	2.97
26N	*****	*****	3.35	3.55	3.43	3.13	2.29	3.26	3.29	3.76	3.5	3.72	3.52	3.36	3.35	3.42	3.63	3.95
22N	4.02	3.23	*****	3.29	2.97	3.10	2.65	3.20	3.78	4.24	4.24	4.44	4.37	4.32	4.32	4.38	4.49	4.62
18N	4.47	3.61	3.23	3.03	2.90	3.16	3.43	3.78	4.06	4.52	4.05	4.94	4.99	5.10	5.10	5.12	5.12	5.14
14N	4.26	4.12	3.32	2.84	3.36	3.43	3.64	3.94	4.17	4.49	4.77	5.01	5.15	5.36	5.37	5.39	5.37	5.41
10N	3.87	3.84	3.71	3.23	3.26	3.23	3.23	3.55	3.84	4.15	4.39	4.65	4.84	4.87	4.94	5.03	5.06	5.10
6N	3.85	3.79	3.66	3.23	3.23	3.20	3.20	3.26	3.32	3.41	3.48	3.90	4.09	4.30	4.39	4.48	4.57	4.58
2N	4.13	4.03	3.83	3.74	2.68	2.67	3.41	3.41	3.21	3.21	3.24	3.42	3.50	3.97	4.06	4.12	4.20	4.26
2S	4.53	4.39	4.25	4.15	3.23	3.26	4.05	4.08	3.83	3.87	4.89	2.90	2.90	3.99	4.13	4.19	4.26	4.36
6S	5.10	4.96	4.84	4.83	4.79	4.85	4.94	4.97	4.96	4.91	2.94	2.92	2.90	4.35	4.54	4.65	4.73	

Table 5.8A

[illegible]

Table 5.8A--Continued

	90M	85M	80M	75M	70M	65M	60M	55M	50M	45M	40M	35M	30M	25M	20M	15M	10M	5M
90N	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50
86N	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50
82N	0.45	0.35	0.35	0.35	0.35	0.20	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.25	0.25	0.25
78N	0.35	0.35	0.35	0.20	0.20	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.10	0.10	0.10
74N	0.35	0.35	0.20	0.20	0.20	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.10	0.10	0.10
70N	0.19	0.35	0.35	0.35	0.35	0.09	0.09	0.09	0.75	0.75	0.75	0.75	0.75	0.09	0.09	0.09	0.09	0.09
66N	0.19	0.35	0.15	0.15	0.35	0.35	0.09	0.09	0.75	0.75	0.75	0.09	0.09	0.09	0.09	0.09	0.09	0.09
62N	0.15	0.15	0.15	0.19	0.09	0.09	0.05	0.09	0.09	0.75	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09
58N	0.25	0.25	0.25	0.15	0.15	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.17
54N	0.15	0.15	0.25	0.15	0.15	0.13	0.13	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.17	0.17
50N	0.13	0.13	0.13	0.13	0.13	0.13	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07
46N	0.13	0.13	0.13	0.13	0.13	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07
42N	0.09	0.13	0.13	0.13	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07
38N	0.09	0.08	0.07	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.10	0.10
34N	0.09	0.08	0.08	0.06	0.06	0.05	0.05	0.05	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.10	0.10
30N	0.06	0.05	0.08	0.06	0.06	0.06	0.06	0.05	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.20
26N	0.06	0.06	0.05	0.06	0.06	0.06	0.06	0.05	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.20	0.20
22N	0.06	0.06	0.05	0.07	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.30	0.30
18N	0.07	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.30	0.30
14N	0.07	0.07	0.05	0.05	0.05	0.05	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.20	0.20
10N	0.06	0.06	0.07	0.06	0.07	0.07	0.05	0.05	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.10	0.10
5N	0.06	0.06	0.06	0.07	0.10	0.09	0.07	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.10	0.10
2N	0.06	0.06	0.06	0.10	0.07	0.07	0.10	0.07	0.06	0.06	0.06	0.06						

	OE	5E	10E	15E	20E	25E	30E	35E	40E	45E	50E	55E	60E	65E	70E	75E	80E	85E
90N	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50
86N	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50
82N	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25
78N	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
74N	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
70N	0.09	0.09	0.09	0.09	0.17	0.17	0.17	0.09	0.09	0.09	0.09	0.09	0.17	0.25	0.19	0.19	0.19	0.19
66N	0.09	0.09	0.09	0.17	0.17	0.17	0.17	0.17	0.09	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17
62N	0.09	0.09	0.17	0.17	0.09	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17
58N	0.08	0.08	0.08	0.17	0.08	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15
54N	0.17	0.08	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.20	0.20	0.15	0.15	0.15	0.15	0.15	0.15
50N	0.07	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
46N	0.13	0.12	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.07	0.20	0.07	0.20	0.20	0.20	0.13	0.13
42N	0.13	0.07	0.07	0.13	0.13	0.13	0.07	0.07	0.13	0.13	0.07	0.20	0.30	0.20	0.20	0.13	0.20	0.20
38N	0.06	0.06	0.06	0.06	0.13	0.06	0.10	0.10	0.10	0.13	0.20	0.30	0.20	0.20	0.20	0.20	0.20	0.20
34N	0.20	0.20	0.20	0.06	0.06	0.06	0.06	0.06	0.20	0.10	0.10	0.20	0.20	0.20	0.10	0.20	0.20	0.20
30N	0.30	0.30	0.30	0.20	0.20	0.20	0.20	0.20	0.30	0.20	0.10	0.20	0.30	0.20	0.10	0.10	0.20	0.20
26N	0.30	0.30	0.30	0.30	0.30	0.30	0.20	0.06	0.20	0.20	0.10	0.20	0.20	0.20	0.20	0.20	0.10	0.10
22N	0.20	0.20	0.30	0.20	0.20	0.30	0.20	0.20	0.20	0.30	0.10	0.10	0.06	0.06	0.06	0.20	0.10	0.10
18N	0.20	0.20	0.30	0.30	0.20	0.20	0.20	0.20	0.06	0.20	0.30	0.10	0.06	0.06	0.06	0.20	0.07	0.10
14N	0.10	0.20	0.20	0.20	0.20	0.20	0.10	0.20	0.20	0.20	0.06	0.06	0.06	0.06	0.06	0.10	0.10	0.06
10N	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.20	0.06	0.06	0.06	0.06	0.10	0.10	0.06
6N	0.07	0.07	0.07	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.20	0.06	0.06	0.06	0.06	0.10	0.10	0.06
2N	0.06	0.06	0.07	0.07	0.07	0.07	0.10	0.10	0.10	0.10	0.06	0.06						

Table 5.8A--Continued

	90E	95E	100E	105E	110E	115E	120E	125E	130E	135E	140E	145E	150E	155E	160E	165E	170E	175E
90N	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50
86N	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50
82N	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45
78N	0.25	0.19	0.19	0.19	0.19	0.19	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.45	0.45
74N	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.35	0.35	0.45	0.45
70N	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.35	0.35	0.35	0.35
66N	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.35	0.35	0.35	0.35
62N	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17
58N	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.17	0.17	0.17	0.17	0.09
54N	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.08
50N	0.20	0.20	0.20	0.20	0.20	0.20	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.08
46N	0.20	0.20	0.20	0.20	0.20	0.20	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.17	0.17	0.17	0.17	0.07
42N	0.30	0.20	0.20	0.30	0.20	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.17	0.17	0.17	0.17	0.07
38N	0.20	0.20	0.20	0.20	0.13	0.13	0.06	0.13	0.13	0.13	0.13	0.13	0.13	0.17	0.17	0.17	0.17	0.07
34N	0.20	0.20	0.20	0.10	0.06	0.13	0.06	0.05	0.06	0.10	0.06	0.06	0.06	0.17	0.17	0.17	0.17	0.06
30N	0.20	0.20	0.20	0.07	0.06	0.13	0.13	0.06	0.06	0.13	0.06	0.06	0.06	0.17	0.17	0.17	0.17	0.06
26N	0.10	0.07	0.10	0.06	0.06	0.13	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.17	0.17	0.17	0.17	0.06
22N	0.05	0.10	0.10	0.10	0.10	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.17	0.17	0.17	0.17	0.06
18N	0.06	0.10	0.10	0.10	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.17	0.17	0.17	0.17	0.06
14N	0.06	0.06	0.07	0.10	0.06	0.06	0.10	0.06	0.06	0.06	0.06	0.06	0.06	0.17	0.17	0.17	0.17	0.06
10N	0.06	0.06	0.06	0.07	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.17	0.17	0.17	0.17	0.06
6N	0.06	0.06	0.10	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.17	0.17	0.17	0.17	0.06
2N	0.06	0.06	0.10	0.06	0.06	0.10	0.06	0.06	0.06	0.06								

Table 5.8B

JULY SOLAR RADIATION (100 ly/day)

	190M	175W	170W	165W	160W	155W	150W	145W	140W	135W	130W	125W	120W	115W	110W	105W	100W	95W
90N*****																		
86N*****																		
82N*****																		
78N*****	4.87	4.87	4.55	4.53	4.51	4.49	4.47	4.45	4.51	4.55	4.59	4.63	4.67	4.71	4.81	4.89	4.96	
74N*****	4.53	4.55	4.55	4.53	4.51	4.49	4.47	4.45	4.51	4.55	4.59	4.63	4.67	4.71	4.81	4.89	4.96	
70N*****	4.00	4.07	4.10	4.13	4.17	4.17	4.20	4.23	4.53	4.60	4.67	4.73	4.80	4.90	5.00	4.93	4.87	
66N*****	3.57	3.64	3.70	4.00	4.10	4.15	4.15	4.13	4.03	4.00	4.00	4.03	4.03	4.03	4.03	4.03	4.03	
62N*****	2.87	2.91	2.96	3.39	3.71	3.84	4.01	4.09	4.09	4.09	4.09	4.09	4.09	4.09	4.09	4.09	4.09	
58N*****	2.21	2.30	2.51	2.81	3.13	3.25	3.43	3.51	3.51	3.51	3.51	3.51	3.51	3.51	3.51	3.51	3.51	
54N*****	1.87	2.01	2.40	2.47	2.51	2.57	2.62	2.69	3.19	3.30	3.30	3.30	3.30	3.30	3.30	3.30	3.30	
50N*****	2.00	2.07	2.13	2.23	2.27	2.33	2.43	2.50	2.63	3.00	3.83	4.67	5.20	5.90	5.90	5.73	5.60	
46N*****	2.27	2.31	2.32	2.31	2.35	2.44	2.49	2.58	2.79	3.13	3.97	4.80	5.20	5.90	5.90	5.73	5.60	
42N*****	2.93	2.95	2.95	2.93	2.95	3.03	3.10	3.12	3.19	3.39	4.00	4.63	5.20	5.90	5.90	5.73	5.60	
38N*****	3.89	3.88	3.87	3.87	3.87	3.95	3.85	3.75	3.51	3.65	4.04	4.63	5.20	5.90	5.90	5.73	5.60	
34N*****	4.75	4.73	4.70	4.69	4.69	4.58	4.44	4.25	3.92	3.89	4.13	4.91	5.60	5.90	5.90	5.73	5.60	
30N*****	4.83	4.83	4.83	4.80	4.80	4.77	4.73	4.57	4.13	4.13	4.27	4.57	5.33	6.33	6.73	6.67	6.33	
26N*****	4.91	4.91	4.89	4.85	4.83	4.77	4.73	4.59	4.24	4.21	4.29	4.49	4.80	5.53	5.75	5.75	5.53	
22N*****	4.93	4.95	4.95	4.91	4.83	4.79	4.71	4.60	4.37	4.33	4.32	4.41	4.57	4.89	4.98	4.98	4.89	
18N*****	4.91	4.94	4.97	4.96	4.87	4.81	4.71	4.61	4.47	4.44	4.37	4.37	4.45	4.53	4.55	4.48	4.48	
14N*****	4.85	4.89	4.92	4.99	4.95	4.85	4.75	4.65	4.55	4.52	4.46	4.39	4.38	4.41	4.40	4.35	4.27	
10N*****	4.80	4.93	4.87	4.93	5.00	4.93	4.80	4.71	4.63	4.60	4.57	4.50	4.43	4.33	4.27	4.17	4.03	
6N*****	4.75	4.78	4.79	4.85	4.89	4.93	4.96	4.86	4.79	4.71	4.62	4.53	4.43	4.33	4.21	4.11	3.98	
2N*****	4.51	4.55	4.57	4.73	4.79	4.83	4.90	4.92	4.83	4.75	4.65	4.53	4.41	4.29	4.16	4.04	3.87	
2S*****	4.15	4.17	4.21	4.34	4.45	4.65	4.77	4.85	4.79	4.75	4.64	4.52	4.37	4.24	4.12	3.96	3.75	
6S*****	3.79	3.79	3.83	3.97	3.99	4.35												

	90W	85W	80W	75W	70W	65W	60W	55W	50W	45W	40W	35W	30W	25W	20W	15W	10W	5W
90N	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
86N	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
82N	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
78N	4.77	4.86	4.86	4.87	4.87	4.87	4.87	4.87	4.87	4.87	4.87	4.87	4.87	4.87	4.87	4.87	4.87	4.87
74N	4.90	4.94	4.94	4.94	4.94	4.94	4.94	4.94	4.94	4.94	4.94	4.94	4.94	4.94	4.94	4.94	4.94	4.94
70N	4.77	4.70	4.60	4.50	4.33	4.30	4.50	4.33	4.33	4.33	4.33	4.33	4.33	4.33	4.33	4.33	4.33	4.33
66N	4.61	4.41	4.17	4.10	3.99	3.93	4.13	3.93	3.93	3.93	3.93	3.93	3.93	3.93	3.93	3.93	3.93	3.93
62N	4.57	4.37	4.13	3.98	3.83	3.82	3.62	3.73	3.73	3.73	3.73	3.73	3.73	3.73	3.73	3.73	3.73	3.73
58N	4.63	4.47	4.25	4.07	3.93	3.82	3.46	3.34	3.27	2.77	2.93	2.79	2.84	3.33	3.29	3.47	3.63	3.77
54N	4.86	4.65	4.43	4.30	4.11	3.97	3.70	3.41	2.80	2.55	2.45	2.45	2.69	3.75	3.51	3.73	3.87	4.01
50N	5.27	5.00	4.67	4.57	4.43	4.27	4.10	3.83	3.33	3.07	2.93	2.90	3.07	3.43	3.57	3.97	4.13	4.30
46N	5.51	5.45	5.41	5.26	*****	4.59	4.45	4.23	3.69	3.76	3.52	3.51	3.65	3.39	4.15	4.45	4.56	4.86
42N	5.75	5.55	5.44	5.37	*****	4.87	4.81	4.79	4.61	4.61	4.37	4.27	4.32	4.40	4.71	5.03	5.87	6.40
38N	5.83	5.65	5.33	5.40	5.36	5.23	5.27	5.35	5.27	5.13	5.09	4.99	5.00	5.11	5.27	5.60	6.77	7.20
34N	5.78	5.40	5.42	5.59	5.60	5.59	5.78	5.81	5.72	5.54	5.51	5.51	5.56	5.61	5.73	5.96	6.92	7.03
30N	5.83	5.77	5.77	5.93	6.00	6.20	6.23	6.10	5.93	5.80	5.67	5.67	5.80	5.90	5.00	5.80	6.87	7.17
26N	5.78	5.77	5.70	6.12	6.35	6.39	5.23	5.02	5.95	5.69	5.59	5.67	5.77	5.73	6.11	6.33	6.76	7.03
22N	5.57	5.64	5.31	5.99	6.15	6.13	5.99	5.90	5.67	5.57	5.51	5.55	5.65	5.77	6.05	6.25	6.39	6.56
18N	*****	5.19	5.57	5.68	5.81	5.80	5.69	5.63	5.45	5.41	5.37	5.42	5.44	5.44	5.60	5.53	5.30	5.49
14N	*****	4.45	5.03	5.16	5.52	5.41	5.31	5.23	5.21	5.21	5.20	5.22	5.16	5.03	4.73	4.40	3.73	4.07
10N	3.90	3.60	3.80	4.20	5.33	4.67	4.67	5.13	5.00	5.00	5.07	5.17	5.00	4.77	3.67	3.33	2.67	3.03
6N	3.45	3.23	3.29	*****	3.55	*****	4.80	4.32	4.73	4.34	3.01	5.11	5.00	4.77	4.33	3.60	2.67	3.00
2N	3.31	3.08	2.93	*****	2.84	*****	4.53	4.67	4.59	4.72	4.94	5.04	5.00	4.91	4.70	4.33	3.87	3.80
25	3.23	2.93	2.73	2.60	3.07	3.60	4.47	4.59	4.60	4.73	4.91	4.87	4.92	4				

	0E	5E	10E	15E	20E	25E	30E	35E	40E	45E	50E	55E	60E	65E	70E	75E	80E	85E
90N*****																		
86N*****	4.37	4.13	4.11	4.11	4.09	4.09	4.07	4.07	4.09	4.09	4.09	4.11	4.11	4.15	4.19	4.23	4.25	4.29
82N*****	4.24	3.96	3.91	3.90	3.87	3.87	3.86	3.87	3.91	3.92	3.93	3.98	4.02	4.10	4.19	4.25	4.29	4.35
78N*****	3.97	3.85	3.79	3.76	3.75	3.79	3.84	3.87	3.91	3.95	3.98	4.07	4.17	4.26	4.38	4.41	4.48	4.51
74N*****																		
70N*****	3.83	3.67	3.60	3.60	3.67	3.90	4.00	4.03	4.07	4.15	4.17	4.33	4.43	4.50	4.57	4.60	4.67	4.70
66N*****	3.62	3.67	3.79	3.66N	4.07	4.17	4.21	4.27	4.28	4.35	4.43	4.57	4.68	4.68	4.73	4.79	4.83	4.94
62N*****	3.71	3.87	4.03	3.88	4.49	4.69	4.53	4.39	4.33	4.35	4.40	4.45	4.48	4.48	4.51	4.57	4.65	4.72
58N*****	3.93	4.13	4.30	4.47	4.69	4.80	4.53	4.45	4.44	4.47	4.47	4.52	4.52	4.56	4.56	4.57	4.55	4.56
54N*****	4.19	4.37	4.52	4.66	4.67	4.61	4.47	4.59	4.75	4.81	4.85	4.97	5.04	5.04	5.02	4.95	4.80	4.80
50N*****	4.43	4.50	4.60	4.63	4.67	5.03	5.00	5.10	5.33	5.40	5.00	5.63	5.60	5.60	5.50	5.43	5.33	5.33
46N*****	5.05	5.27	5.69	5.73	5.73	5.81	5.80	5.74	5.60	5.57	5.97	6.19	6.27	6.27	6.09	5.89	5.89	5.89
42N*****	6.28	6.33	6.55	6.58	6.56	6.54	6.50	6.50	6.50	6.50	6.19	6.59	6.41	6.89	6.89	6.89	6.89	6.89
38N*****	7.00	7.03	7.09	7.15	7.13	7.11	7.07	7.07	7.07	7.07	7.07	7.17	7.17	7.17	7.17	7.17	7.17	7.17
34N*****	7.08	7.29	7.38	7.48	7.49	7.51	7.51	7.57	7.57	7.51	7.51	7.51	7.40	7.40	7.40	7.40	7.40	7.40
30N*****	7.40	7.50	7.57	7.67	7.73	7.83	7.83	8.00	8.00	7.83	7.83	7.83	7.67	7.35	7.00	5.33	5.33	5.33
26N*****	7.08	7.26	7.33	7.40	7.41	7.46	7.45	7.55	7.57	7.57	7.57	7.57	6.87	5.73	5.40	4.53	4.53	4.53
22N*****	6.58	6.66	6.69	6.71	6.69	6.69	6.69	6.77	7.19	7.40	7.40	7.13	6.07	4.73	4.10	3.53	3.47	3.53
18N*****	5.65	5.65	5.65	5.65	5.63	5.61	5.47	5.57	5.53	5.53	7.00	6.56	5.40	4.19	3.45	2.87	3.37	3.67
14N*****	4.40	4.25	4.27	4.33	4.37	4.38	4.11	4.11	4.11	4.11	6.30	5.80	4.92	3.96	3.41	2.80	3.47	3.67
10N*****	3.33	2.60	2.67	3.00	3.17	3.23	3.23	3.23	3.84	5.33	5.50	5.00	4.60	3.93	3.60	3.33	3.43	3.67
6N*****	3.60	2.65	2.68	2.68	2.87	3.35	3.35	2.73	3.05	4.00	4.57	4.52	4.25	3.93	3.76	3.71	3.73	3.80
2N*****	3.83	3.27	3.27	2.64	3.32	3.60	3.60	3.60	3.05	3.47	3.73	4.10	4.01	3.85	3.78	3.78	3.76	3.77
2S*****	3.89	3.67	3.00	2.93	4.00	4.33	4.33	4.33	3.48	3.47								

	90E	95E	100E	105E	110E	115E	120E	125E	130E	135E	140E	145E	150E	155E	160E	165E	170E	175E
90N	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
86N	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
82N	4.33	4.33	4.37	4.37	4.37	4.37	4.40	4.45	4.50	4.53	4.57	4.60	4.63	4.67	4.71	4.74	4.77	4.77
78N	4.40	4.41	4.45	4.45	4.45	4.47	4.47	4.46	4.49	4.49	4.50	4.51	4.51	4.53	4.51	4.68	4.71	4.77
74N	4.55	4.55	4.58	4.58	4.58	4.61	4.60	4.54	4.51	4.47	4.45	4.42	4.39	4.39	4.46	4.47	4.46	4.45
70N	4.73	4.73	4.77	4.77	4.77	4.77	4.73	4.70	4.67	4.63	4.63	4.63	4.63	4.63	4.57	4.33	4.17	4.00
66N	4.95	4.95	4.95	4.95	4.95	4.90	4.89	4.89	4.89	4.89	4.89	4.89	4.89	4.89	4.89	4.89	4.89	4.89
62N	4.76	4.76	4.76	4.74	4.74	4.69	4.69	4.67	4.67	4.67	4.67	4.67	4.67	4.67	4.67	4.67	4.67	4.67
58N	4.59	4.59	4.55	4.51	4.51	4.49	4.49	4.49	4.49	4.49	4.49	4.49	4.49	4.49	4.49	4.49	4.49	4.49
54N	4.55	4.55	4.55	4.49	4.49	4.49	4.49	4.49	4.49	4.49	4.49	4.49	4.49	4.49	4.49	4.49	4.49	4.49
50N	4.73	4.73	4.73	4.73	4.73	4.73	4.67	4.43	4.27	4.07	3.77	3.33	3.10	2.90	2.60	2.33	2.13	2.00
46N	4.95	4.95	4.95	4.95	4.95	4.95	4.95	4.95	4.95	4.95	4.95	4.95	4.95	4.95	4.95	4.95	4.95	4.95
42N	4.76	4.76	4.76	4.74	4.74	4.69	4.69	4.67	4.67	4.67	4.67	4.67	4.67	4.67	4.67	4.67	4.67	4.67
38N	4.59	4.59	4.55	4.51	4.51	4.49	4.49	4.49	4.49	4.49	4.49	4.49	4.49	4.49	4.49	4.49	4.49	4.49
34N	4.55	4.55	4.55	4.49	4.49	4.49	4.49	4.49	4.49	4.49	4.49	4.49	4.49	4.49	4.49	4.49	4.49	4.49
30N	4.73	4.73	4.73	4.73	4.73	4.73	4.67	4.43	4.27	4.07	3.77	3.33	3.10	2.90	2.60	2.33	2.13	2.00
26N	4.95	4.95	4.95	4.95	4.95	4.95	4.95	4.95	4.95	4.95	4.95	4.95	4.95	4.95	4.95	4.95	4.95	4.95
22N	4.76	4.76	4.76	4.74	4.74	4.69	4.69	4.67	4.67	4.67	4.67	4.67	4.67	4.67	4.67	4.67	4.67	4.67
18N	4.59	4.59	4.55	4.51	4.51	4.49	4.49	4.49	4.49	4.49	4.49	4.49	4.49	4.49	4.49	4.49	4.49	4.49
14N	4.55	4.55	4.55	4.49	4.49	4.49	4.49	4.49	4.49	4.49	4.49	4.49	4.49	4.49	4.49	4.49	4.49	4.49
10N	4.73	4.73	4.73	4.73	4.73	4.73	4.67	4.43	4.27	4.07	3.77	3.33	3.10	2.90	2.60	2.33	2.13	2.00
6N	4.95	4.95	4.95	4.95	4.95	4.95	4.95	4.95	4.95	4.95	4.95	4.95	4.95	4.95	4.95	4.95	4.95	4.95
2N	4.76	4.76	4.76	4.74	4.74	4.69	4.69	4.67	4.67	4.67	4.67	4.67	4.67	4.67	4.67	4.67	4.67	4.67
25	3.63	3.61	3.57</															

[illegible]

	0E	5E	10E	15E	20E	25E	30E	35E	40E	45E	50E	55E	60E	65E	70E	75E	80E	85E
90N	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
86N	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
82N	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
78N	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
74N	2.81	2.89	3.05	3.08	3.40	3.23	3.32	3.13	3.08	2.93	2.96	2.96	2.00	*****	3.21	3.20	3.22	*****
70N	3.00	3.10	3.23	3.40	3.67	2.83	3.00	3.67	3.67	3.63	3.47	3.47	2.00	*****	2.73	2.67	2.77	2.33
66N	3.03	3.15	3.23	*****	2.89	2.97	2.84	2.87	2.87	2.83	2.83	3.09	2.80	2.87	2.95	2.93	2.95	2.97
62N	3.07	3.21	*****	*****	3.28	3.50	3.48	2.57	2.53	2.52	2.81	2.84	2.76	2.68	2.74	2.76	2.76	2.78
58N	3.14	3.30	*****	2.87	3.73	3.23	3.35	2.45	2.41	2.41	2.47	2.59	*****	2.52	2.54	2.56	2.56	2.59
54N	3.07	3.23	3.32	3.45	3.59	2.40	2.52	2.53	2.50	2.30	2.38	2.36	*****	2.47	2.47	2.47	2.47	2.49
50N	2.53	2.57	2.60	2.60	2.63	2.67	2.73	2.67	2.63	2.63	2.57	2.33	2.33	2.33	2.33	2.33	2.33	2.33
46N	2.59	2.65	2.79	2.81	2.85	2.93	*****	2.93	2.85	2.75	*****	2.47	2.47	2.44	2.47	2.47	2.47	2.33
42N	*****	*****	*****	*****	*****	*****	*****	2.70	*****	*****	*****	2.54	2.54	2.53	2.60	*****	2.54	2.54
38N	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	2.61	2.61	*****	*****	*****	*****	*****
34N	2.90	2.77	2.77	*****	*****	*****	*****	*****	2.90	2.92	*****	*****	2.73	*****	*****	*****	*****	*****
30N	2.50	2.53	2.53	2.53	2.60	2.67	2.93	2.67	2.50	2.60	*****	*****	3.00	2.90	3.00	2.90	*****	*****
26N	2.45	2.37	2.37	2.37	2.47	2.51	2.61	2.67	2.58	2.52	*****	*****	4.52	3.65	2.73	2.53	*****	*****
22N	2.31	2.23	2.21	2.21	2.29	2.31	2.33	2.33	*****	2.40	2.53	*****	4.56	3.53	3.01	2.05	2.21	2.44
18N	2.17	2.10	2.04	2.05	2.12	2.11	2.09	2.19	*****	2.43	2.43	3.41	4.20	3.32	3.22	1.64	2.01	2.60
14N	2.00	1.94	1.85	1.88	1.95	1.94	1.93	1.97	*****	2.39	4.57	4.57	3.95	3.30	3.20	1.75	2.27	3.00
10N	1.73	1.70	1.67	1.67	1.77	1.83	1.90	2.00	*****	2.67	2.63	4.17	3.73	3.30	3.20	3.13	3.07	3.00
6N	2.08	1.99	1.90	1.53	1.56	1.83	2.01	2.03	*****	2.40	3.51	3.69	3.41	3.19	3.04	3.03	2.96	2.92
2N	2.41	2.13	1.33	1.50	1.63	1.83	*****	1.98	2.13	2.77	3.37	3.23	3.03	2.91	2.86	2.88	2.87	2.86
25S	2.54	2.27	1.67	1.50	1.61	1.77	*****	1.85	1.95	2.34	2.89	2.83	2.71	2.64	2.65	2.68	2.73	2.77
6S	2.43	2.22	2.15	1.47	1.55	1.63	1.69	1.72	1.98	2.51	2.52	2.52	2.49	2.45	2.42	2.45	2.52	2.61
10S																		

Table 5.9--Continued

[illegible]

Table 5.10
JULY SURFACE SENSIBLE HEAT FLUX (10 ly/day)

	130W	175W	170W	165W	160W	155W	150W	145W	140W	135W	130W	125W	120W	115W	110W	105W	100W	95W
90N*****																		
86N*****																		
82N*****																		
78N*****																		
74N*****																		
70N*****																		
66N*****																		
62N*****	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
58N*****	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
54N*****	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50N*****	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
46N*****	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42N*****	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
38N*****	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
34N*****	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07
30N*****	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33
26N*****	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60
22N*****	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87
18N*****	1.13	1.13	1.13	1.13	1.13	1.13	1.13	1.13	1.13	1.13	1.13	1.13	1.13	1.13	1.13	1.13	1.13	1.13
14N*****	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40
10N*****	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67
6N*****	1.93	1.93	1.93	1.93	1.93	1.93	1.93	1.93	1.93	1.93	1.93	1.93	1.93	1.93	1.93	1.93	1.93	1.93
2N*****	2.20	2.20	2.20	2.20	2.20	2.20	2.20	2.20	2.20	2.20	2.20	2.20	2.20	2.20	2.20	2.20	2.20	2.20
25*****	2.47	2.47	2.47	2.47	2.47	2.47	2.47	2.47	2.47	2.47	2.47	2.47	2.47	2.47	2.47	2.47	2.47	2.47
26*****	2.73	2.73	2.73	2.73	2.73	2.73	2.73	2.73	2.73	2.73	2.73	2.73	2.73	2.73	2.73	2.73	2.73	2.73
10S*****	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00
14S*****	3.27	3.27	3.27	3.27	3.27	3.27	3.27	3.27	3.27	3.27	3.27	3.27	3.27	3.27	3.27	3.27	3.27	3.27
18S*****	3.73	3.73	3.73	3.73	3.73	3.73	3.73	3.73	3.73	3.73	3.73	3.73	3.73	3.73	3.73	3.73	3.73	3.73
22S*****	4.80	5.13	5.27	5.27	5.13	4.67	4.20	3.87	3.60	3.47	3.13	3.13	3.13	3.00	2.80	2.80	2.80	2.80
26S*****	6.27	6.73	7.07	6.93	6.53	5.87	5.20	4.80	4.20	3.87	3.53	3.47	3.40	3.07	3.07	3.07	3.07	3.07
30S*****	7.33	8.33	8.67	8.00	7.33	6.67	5.00	5.33	5.00	4.67	4.33	4.00	3.67	3.33	3.33	3.33	3.33	3.33
34S*****	9.20	8.60	8.40	8.27	7.60	6.67	5.27	5.87	5.27	5.20	4.87	4.80	4.20	4.13	3.87	3.60	3.60	3.60
38S*****	7.87	7.33	7.33	7.33	7.07	6.47	5.13	6.00	5.53	5.33	5.00	5.00	4.53	4.33	4.20	4.07	3.87	3.87
42S*****	6.40	6.40	6.40	6.40	6.40	6.40	5.87	5.87	5.53	5.20	5.00	5.00	4.67	4.47	4.33	4.33	4.33	4.33
46S*****	5.93	5.93	5.93	5.87	5.87	5.60	5.60	5.53	5.27	5.00	4.93	4.93	4.60	4.60	4.60	4.60	4.60	4.60
50S*****	5.67	5.67	5.67	5.33	5.33	5.33	5.33	5.00	5.00	4.67	4.67	4.67	4.33	4.33	4.33	4.33	4.33	4.33
54S*****	5.13	5.13	5.13	5.07	5.07	5.07	5.07	4.73	4.73	4.40	4.40	4.40	4.33	4.07	4.07	4.00	4.00	4.00
58S*****	4.80	4.80	4.80	4.80	4.80	4.80	4.80	4.73	4.73	4.40	4.40	4.40	4.33	4.07	4.07	4.00	4.00	4.00
62S*****	4.80	4.80	4.80	4.80	4.80	4.80	4.80	4.73	4.73	4.40	4.40	4.40	4.33	4.07	4.07	4.00	4.00	4.00
66S*****	4.80	4.80	4.80	4.80	4.80	4.80	4.80	4.73	4.73	4.40	4.40	4.40	4.33	4.07	4.07	4.00	4.00	4.00
70S*****	4.80	4.80	4.80	4.80	4.80	4.80	4.80	4.73	4.73	4.40	4.40	4.40	4.33	4.07	4.07	4.00	4.00	4.00
74S*****	4.80	4.80	4.80	4.80	4.80	4.80	4.80	4.73	4.73	4.40	4.40	4.40	4.33	4.07	4.07	4.00	4.00	4.00
78S*****	4.80	4.80	4.80	4.80	4.80	4.80	4.80	4.73	4.73	4.40	4.40	4.40	4.33	4.07	4.07	4.00	4.00	4.00
82S*****	4.80	4.80	4.80	4.80	4.80	4.80	4.80	4.73	4.73	4.40	4.40	4.40	4.33	4.07	4.07	4.00	4.00	4.00
86S*****	4.80	4.80	4.80	4.80	4.80	4.80	4.80	4.73	4.73	4.40	4.40	4.40	4.33	4.07	4.07	4.00	4.00	4.00
90S*****	4.80	4.80	4.80	4.80	4.80	4.80	4.80	4.73	4.73	4.40	4.40	4.40	4.33	4.07	4.07	4.00	4.00	4.00

Table 5.10--Continued

	90W	85W	80W	75W	70W	65W	60W	55W	50W	45W	40W	35W	30W	25W	20W	15W	10W	5W
90N	10.00	9.33	8.00	6.67	5.33	4.00	3.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
86N	10.27	9.60	8.27	6.93	5.60	4.27	3.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
82N	11.13	10.27	9.47	8.27	7.00	5.73	4.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
78N	12.20	11.07	10.53	9.47	8.27	7.00	5.73	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
74N	13.00	9.40	8.13	6.93	5.73	4.50	3.27	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
70N	13.00	9.33	8.00	6.67	5.33	4.00	3.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
66N	10.27	9.60	8.27	6.93	5.60	4.27	3.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
62N	11.13	10.27	9.47	8.27	7.00	5.73	4.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
58N	12.20	11.07	10.53	9.47	8.27	7.00	5.73	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
54N	13.00	9.40	8.13	6.93	5.73	4.50	3.27	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
50N	13.00	9.33	8.00	6.67	5.33	4.00	3.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
46N	10.27	9.60	8.27	6.93	5.60	4.27	3.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
42N	11.13	10.27	9.47	8.27	7.00	5.73	4.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
38N	12.20	11.07	10.53	9.47	8.27	7.00	5.73	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
34N	13.00	9.40	8.13	6.93	5.73	4.50	3.27	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
30N	13.00	9.33	8.00	6.67	5.33	4.00	3.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
26N	2.87	0.33	0.33	0.33	0.33	0.33	0.33	0.67	0.67	0.67	0.67	0.33	0.33	0.00	0.00	0.00	0.00	0.00
22N	2.13	0.33	0.33	0.33	0.33	0.33	0.33	0.67	0.67	0.67	0.67	0.33	0.33	0.00	0.00	0.00	0.00	0.00
18N	1.67	0.67	0.67	0.67	0.67	0.67	0.67	0.80	0.80	0.80	0.80	0.47	0.33	0.13	0.00	0.00	0.00	0.00
14N	2.93	0.67	0.67	1.20	1.27	1.47	1.00	1.07	1.07	1.07	1.07	0.73	0.47	0.40	0.07	5.67	5.53	5.80
10N	0.67	0.00	0.67	3.33	3.67	3.33	1.00	1.33	1.33	1.33	1.33	1.00	1.00	0.67	0.33	0.33	1.00	2.33
6N	0.93	0.00	0.93	2.33	2.33	2.33	3.13	2.93	1.33	1.60	1.60	1.53	1.53	1.20	0.37	0.87	1.00	1.27
2N	1.20	0.80	1.20	2.40	2.40	2.40	4.07	5.13	4.53	1.67	1.67	1.87	1.87	1.73	1.60	1.40	1.40	1.40
25	1.47	1.67	1.33	3.73	3.07	4.67	5.40	7.67	8.00	6.33	5.00	2.13	2.13	2.13	2.13	1.93	1.93	1.93
65	1.73	1.67	1.40	5.67	4.40	7.00	7.60	9.93	10.67	13.27	9.67	2.33	2.33	2.40	2.40	2.40	2.40	2.40
105	2.00	1.67	1.67	7.00	7.33	8.33	10.00	11.00	13.33	13.00	8.33	2.33	2.33	2.67	2.67	2.67	2.67	2.67
145	2.00	1.93	1.93	2.33	2.33	2.33	3.47	9.93	10.67	10.33	7.00	2.60	2.60	2.93	2.93	2.93	3.20	3.20
185	2.20	2.20	2.20	2.33	2.33	2.33	7.73	7.87	8.00	8.27	4.47	2.87	2.87	3.00	3.20	3.20	3.53	3.73
225	2.47	2.47	2.47	2.13	2.13	2.13	5.13	5.47	5.33	5.60	3.00	3.13	3.13	3.13	3.33	3.60	3.93	4.27
265	2.73	2.73	2.73	2.40	2.40	2.40	5.00	3.47	3.33	3.07	3.07	3.40	3.40	3.40	3.53	4.20	4.47	4.73
305	3.00	3.00	3.00	2.67	2.67	2.67	6.67	2.67	3.33	3.33	3.33	3.67	3.67	3.67	4.33	5.00	5.00	5.00
345	3.27	3.53	3.27	2.93	2.93	2.93	5.07	2.93	3.33	3.60	3.87	4.20	4.47	4.73	4.60	4.73	4.47	4.47
385	3.53	3.67	3.33	3.20	3.20	3.20	3.47	3.00	3.33	3.57	4.00	4.53	4.87	4.80	4.27	3.87	3.73	3.73
425	3.80	3.67	3.33	3.33	3.33	3.33	2.80	3.00	3.33	3.67	4.00	4.80	5.00	4.53	3.73	3.33	3.33	3.33
465	3.93	3.67	3.33	3.33	3.33	3.33	3.00	3.07	3.33	3.73	4.13	5.00	4.93	4.33	3.47	3.40	3.40	3.40
505	3.67	3.67	3.33	3.33	3.33	3.33	3.00	3.33	3.33	4.00	4.67	5.00	4.67	4.33	4.00	3.67	3.67	3.67
545	3.67	3.67	3.33	3.33	3.33	3.33	3.27	3.60	3.87	4.53	4.93	5.00	4.67	4.33	4.00	3.67	3.67	3.67
585	3.67	3.67	3.33	3.33	3.33	3.33	3.53	3.87	3.87	4.53	4.93	5.00	4.67	4.33	4.00	3.67	3.67	3.67
625	3.67	3.67	3.33	3.33	3.33	3.33	3.53	3.87	3.87	4.53	4.93	5.00	4.67	4.33	4.00	3.67	3.67	3.67
665	3.67	3.67	3.33	3.33	3.33	3.33	3.53	3.87	3.87	4.53	4.93	5.00	4.67	4.33	4.00	3.67	3.67	3.67
705	3.67	3.67	3.33	3.33	3.33	3.33	3.53	3.87	3.87	4.53	4.93	5.00	4.67	4.33	4.00	3.67	3.67	3.67
745	3.67	3.67	3.33	3.33	3.33	3.33	3.53	3.87	3.87	4.53	4.93	5.00	4.67	4.33	4.00	3.67	3.67	3.67
785	3.67	3.67	3.33	3.33	3.33	3.33	3.53	3.87	3.87	4.53	4.93	5.00	4.67	4.33	4.00	3.67	3.67	3.67
825	3.67	3.67	3.33	3.33	3.33	3.33	3.53	3.87	3.87	4.53	4.93	5.00	4.67	4.33	4.00	3.67	3.67	3.67
865	3.67	3.67	3.33	3.33	3.33	3.33	3.53	3.87	3.87	4.53	4.93	5.00	4.67	4.33	4.00	3.67	3.67	3.67
905	3.67	3.67	3.33	3.33	3.33	3.33	3.53	3.87	3.87	4.53	4.93	5.00	4.67	4.33	4.00	3.67	3.67	3.67

Table 5.10--Continued

	0E	5E	10E	15E	20E	25E	30E	35E	40E	45E	50E	55E	60E	65E	70E	75E	80E	85E
90N	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
86N	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
82N	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
78N	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
74N	0.07	0.07	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	*****	*****	*****	*****	*****	*****
70N	0.33	0.33	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	*****	*****	1.47	1.40	1.40	1.33
66N	0.33	0.33	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	*****	0.0	7.33	7.00	7.00	6.67
62N	0.33	0.13	*****	*****	5.87	5.33	5.33	0.0	0.0	4.53	4.27	4.27	*****	4.00	5.47	4.87	5.13	4.80
58N	0.20	0.0	*****	4.40	0.0	7.47	7.07	4.80	4.20	6.27	5.13	5.93	5.60	5.80	5.60	4.93	4.87	4.73
54N	0.0	2.13	9.80	2.00	2.00	8.07	6.93	7.27	6.93	10.33	9.37	10.13	7.60	7.67	7.33	6.40	5.67	5.67
50N	0.0	10.67	10.33	10.00	10.00	9.67	8.00	8.33	10.00	11.67	13.33	13.33	13.33	13.33	13.00	13.00	12.00	12.33
46N	9.87	12.53	12.73	12.67	11.87	12.60	4.27	1.67	10.00	13.53	5.33	18.13	18.67	18.93	18.33	16.47	16.00	15.33
42N	16.93	5.20	5.33	5.33	4.93	5.33	3.33	12.80	*****	*****	1.33	20.73	21.20	21.73	19.37	*****	16.80	16.67
38N	22.67	10.53	10.67	0.0	0.0	0.0	3.00	12.80	*****	*****	*****	22.33	22.53	*****	*****	*****	*****	*****
34N	26.07	25.87	26.20	5.13	5.20	5.27	5.33	5.27	26.13	26.33	*****	*****	23.80	*****	*****	*****	*****	*****
30N	23.67	24.00	24.33	25.67	26.00	26.33	26.67	26.33	25.33	26.33	26.33	*****	25.67	23.67	20.67	13.67	5.67	*****
26N	22.07	21.97	22.47	23.27	23.87	23.93	24.27	5.27	23.73	24.20	25.27	*****	5.13	23.40	17.47	7.27	3.53	*****
22N	18.67	18.53	19.20	21.07	21.33	21.33	21.47	12.00	9.33	22.87	24.20	15.00	0.0	9.33	6.87	4.27	2.80	2.60
18N	12.67	12.67	13.07	14.67	15.33	16.00	15.00	14.67	8.00	*****	23.27	15.00	0.0	0.0	0.33	3.33	4.27	2.07
14N	5.73	5.80	5.80	5.87	7.20	8.60	3.67	6.07	*****	*****	22.27	0.0	0.0	0.0	0.40	2.87	5.53	0.73
10N	2.00	2.33	2.33	2.67	2.67	3.00	3.33	3.67	*****	20.00	20.67	0.0	0.0	0.0	0.67	1.00	1.00	1.00
6N	0.53	1.00	2.33	2.40	2.40	1.40	2.80	6.07	*****	20.00	4.13	0.0	0.0	0.27	0.93	1.27	1.53	1.53
2N	1.27	1.07	2.93	4.13	4.13	4.00	*****	*****	13.53	8.00	0.0	0.0	0.20	0.73	1.20	1.53	1.87	1.87
2S	1.80	1.60	2.80	6.53	6.80	8.00	*****	*****	8.33	0.13	0.13	0.40	0.73	1.27	1.60	1.93	2.13	2.13
6S	2.13	2.13	2.07	8.53	9.20	11.13	11.											

	90E	95E	100E	105E	110E	115E	120E	125E	130E	135E	140E	145E	150E	155E	160E	165E	170E	175E
90N*****																		
86N*****																		
82N*****																		
78N*****																		
74N*****	7.40	7.07	6.93	6.80	6.87													
70N*****	6.33	6.00	5.33	4.67	5.00	5.33	6.67	7.00	6.67	6.67	7.00	7.00	7.00	7.33				
66N*****	4.20	3.87	4.53	5.20	5.53	5.87	5.40	7.00										
62N*****	4.87	5.33	5.73	6.53	6.27	6.40	6.53	6.80										
58N*****	5.47		7.60	7.07				6.67	6.33									
54N*****								6.67	6.13									
50N*****						7.33	7.00	5.67	5.33	4.00	3.33	0.0	0.0	0.0	0.0			
46N*****							5.73	6.13	5.07	3.73	0.67	0.0	0.0	0.0	0.0	0.0	0.0	
42N*****							6.87	6.20	2.00	1.47	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
38N*****							5.87	3.80	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
34N*****						6.60	6.33	0.0	0.0	0.0	0.07	0.07	0.07	0.0	0.0	0.0	0.0	0.07
30N*****						5.00	5.00	0.0	0.0	0.0	0.33	0.33	0.33	0.0	0.0	0.0	0.33	
26N*****						3.40	3.93	0.0	0.0	0.27	0.50	0.60	0.60	0.53	0.53	0.53	0.60	
22N*****	0.87	3.33				1.40	1.67	0.20	0.40	0.53	0.87	0.87	0.87	0.87	0.87	0.87	0.87	
18N*****	0.47	2.27	2.67			0.47	0.60	0.60	0.80	0.93	1.13	1.13	1.13	1.13	1.13	1.13	1.13	
14N*****	0.73	0.73	2.33	2.87		0.73	1.07	1.13	1.13	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	
10N*****	1.00	1.00	1.00	1.00	1.00	1.33	1.33	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	
6N*****	1.53	1.53	1.27	1.27	1.53	1.60	1.87	1.93	1.93	1.93	1.93	1.93	1.93	1.93	1.93	1.93	1.93	
2N*****	1.87	1.87	1.73	1.73	2.67	2.67	2.20	2.20	2.20	2.20	2.20	2.20	2.20	2.20	2.20	2.20	2.20	
2S*****	2.13	2.13	2.13	2.13	2.93	2.93	2.33	2.47	2.47	2.47	2.47	2.47	2.47	2.47	2.47	2.47	2.47	
6S*****	2.47	2.40	2.40	2.40	2.40	2.40	2.40	2.73	2.73	2.73	5.67	5.67	2.73	2.73	2.73	2.73	2.73	
10S*****	3.00	2.67	2.67	2.67	2.67	2.67	2.67	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	
14S*****	3.27	3.20	2.93	2.93	2.93	2.93	2.93	3.00	11.27	11.27	3.27	3.27	3.27	3.27	3.27	3.27	3.27	
18S*****	3.73	3.53	3.40	3.40	3.40	3.40	3.40	7.20	11.73	12.13	8.13	7.33	3.53	3.73	3.73	3.73	3.73	
22S*****	4.13	3.93	3.93	3.80	3.80	5.00	5.27</											

Table 5.11

JULY TOTAL HEAT BALANCE (100 ly/day)

	130W	170W	145W	160W	155W	150W	145W	140W	135W	130W	125W	120W	115W	110W	105W	100W	95W
90N	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
85N	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
82N	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
78N	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
74N	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
70N	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
66N	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
62N	1.95	*****	1.32	0.37	0.38	0.60	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
58N	1.76	1.75	1.76	0.80	0.78	1.00	1.73	*****	*****	0.34	0.48	0.24	0.37	0.46	0.37	0.30	0.27
54N	1.47	1.47	1.47	1.47	1.47	1.47	1.51	1.65	1.82	*****	*****	*****	0.24	0.25	0.17	0.09	0.05
50N	1.33	1.33	1.33	1.33	1.33	1.37	1.43	1.60	1.77	2.13	*****	*****	*****	0.37	0.37	0.27	0.13
46N	1.47	1.49	1.52	1.49	1.49	1.55	1.57	1.71	1.93	2.37	*****	*****	*****	*****	*****	0.32	0.24
42N	1.78	1.77	1.73	1.69	1.71	1.76	1.74	1.93	1.93	2.37	*****	*****	*****	*****	*****	0.30	0.29
38N	2.06	2.03	1.90	1.76	1.75	1.72	1.53	1.53	1.67	2.08	*****	*****	*****	*****	*****	0.30	0.15
34N	2.15	2.09	1.92	1.80	1.62	1.37	1.21	1.06	1.16	1.58	2.75	0.48	0.69	*****	*****	-0.01	-0.05
30N	1.97	1.80	1.53	1.30	1.07	0.87	0.70	0.63	0.47	1.10	1.73	2.80	2.40	0.30	0.10	-0.03	0.0
26N	1.59	1.37	1.15	0.92	0.77	0.56	0.45	0.47	0.65	1.05	1.52	2.11	2.69	2.70	*****	*****	2.59
22N	1.00	0.87	0.65	0.55	0.51	0.41	0.48	0.55	0.68	0.97	1.37	1.67	2.17	2.44	*****	*****	2.19
18N	0.67	0.64	0.53	0.62	0.63	0.57	0.60	0.63	0.67	0.81	1.07	1.30	1.49	1.56	1.11	*****	1.11
14N	0.64	0.67	0.71	0.74	0.74	0.74	0.70	0.65	0.67	0.61	0.79	0.95	1.00	1.02	0.93	0.67	0.47
10N	0.53	0.57	0.60	0.63	0.73	0.77	0.70	0.70	0.67	0.53	0.63	0.73	0.73	0.70	0.90	0.43	0.23
6N	0.43	0.43	0.49	0.50	0.65	0.74	0.65	0.70	0.65	0.48	0.45	0.47	0.41	0.38	0.42	0.17	-0.17
2N	0.12	0.18	0.27	0.29	0.43	0.52	0.53	0.52	0.43	0.23	0.34	0.28	0.21	0.16	0.10	-0.08	-0.27
25	-0.31	-0.26	-0.19	-0.13	0.05	0.27	0.36	0.29	0.25	0.23	0.15	0.03	-0.01	-0.08	-0.22	-0.37	-0.45
65	-0.77	-0.90	-0.75	-0.65	-0.44	-0.07	0.02	0.03	-0.05	-0.15	-0.19	-0.34	-0.35	-0.08	-0.61	-0.72	-0.81
105	-1.20	-1.20	-1.10	-1.00	-0.97	-0.50	-0.40	-0.40	-0.53	-0.60	-0.70	-0.77	-0.80	-0.93	-1.07	-1.07	-1.10
145	-1.60	-1.57	-1.47	-1.37	-1.19	-0.95	-0.72	-0.85	-0.95	-1.13	-1.26	-1.27	-1.36	-1.3			

Table 5 Continued

90N	85W	80W	75W	70W	65W	60W	55W	50W	45W	40W	35W	30W	25W	20W	15W	10W	5W
*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
86N	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
82N	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
78N	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
74N	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
70N	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
56V	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
62N	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
58N	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
54N	-0.12	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
50N	0.07	0.13	0.17	0.30	0.30	2.67	2.57	2.27	1.93	1.27	0.93	0.80	0.77	0.97	1.50	2.17	3.00
46N	0.17	0.21	0.33	0.52	*****	*****	3.06	2.72	2.12	1.32	1.20	1.15	1.06	1.45	1.95	2.65	3.40
42N	0.22	0.25	0.21	0.75	*****	*****	3.35	2.91	2.37	1.83	1.69	1.65	1.63	2.03	2.47	3.21	1.56
38N	0.09	0.11	0.01	1.36	2.74	3.16	3.29	2.73	2.37	2.15	2.05	2.04	2.14	2.49	2.92	3.69	*****
34N	0.23	0.45	0.38	2.14	2.23	2.89	2.89	2.31	2.13	2.08	2.11	2.20	2.44	2.78	3.25	3.44	*****
*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
30N	1.70	2.80	2.43	2.30	2.73	2.77	2.57	2.10	1.97	1.87	1.90	2.20	2.60	2.97	3.47	1.33	2.03
26N	2.77	2.80	2.54	2.38	2.36	2.15	1.93	1.82	1.54	1.55	1.77	2.23	2.71	3.26	2.69	0.27	0.01
22N	1.41	2.28	2.03	1.84	1.57	1.34	1.23	1.17	1.14	1.35	1.63	2.15	2.69	3.33	0.94	0.12	0.16
18N	*****	1.15	1.40	1.27	1.03	0.83	0.75	0.71	0.97	1.19	1.50	2.05	2.51	2.96	-0.07	0.08	0.16
14N	*****	*****	0.72	1.04	0.81	0.62	0.55	0.49	0.77	1.01	1.31	1.39	2.16	2.26	0.13	-0.03	-0.11
*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
10N	-0.30	*****	-0.40	1.33	0.30	0.17	0.47	0.33	0.50	0.77	0.97	1.57	1.73	1.70	0.80	0.23	-0.07
6N	-0.62	*****	-0.93	*****	0.49	*****	-0.01	-0.07	0.13	0.39	0.73	1.19	1.49	1.59	0.99	0.29	0.17
2N	-0.74	-1.06	-1.17	*****	0.35	*****	0.09	-0.09	-0.49	-0.02	0.37	0.80	1.19	1.39	1.55	1.26	0.99
2S	-0.73	-0.97	-0.39	0.20	0.17	0.01	0.25	-0.05	-0.50	-0.19	0.19	0.19	0.62	0.89	1.37	1.46	1.14
6S	-0.72	-0.67	0.54	-0.12	0.06	0.05	0.25	0.05	0.05	0.13							

[illegible]

Table 5.12

JULY 800-mb TEMPERATURE (deg C)

	130W	175W	170W	145W	160W	155W	150W	145W	140W	135W	130W	125W	120W	115W	110W	105W	100W	95W
90N	-3.23	-3.23	-3.23	-3.23	-3.23	-3.23	-3.23	-3.23	-3.23	-3.23	-3.23	-3.23	-3.23	-3.23	-3.23	-3.23	-3.23	-3.23
86N	-2.99	-3.02	-3.02	-3.02	-3.05	-3.07	-3.10	-3.13	-3.15	-3.18	-3.21	-3.23	-3.26	-3.25	-3.26	-3.26	-3.25	-3.23
82N	-2.65	-2.57	-2.67	-2.67	-2.68	-2.69	-2.73	-2.76	-2.75	-2.79	-2.80	-2.83	-2.87	-2.89	-2.91	-2.93	-2.95	-2.97
78N	-2.28	-2.25	-2.23	-2.17	-2.12	-2.09	-2.05	-2.03	-2.02	-2.01	-2.04	-2.10	-2.13	-2.22	-2.24	-2.33	-2.41	-2.50
74N	-1.46	-1.42	-1.37	-1.24	-1.09	-0.98	-0.83	-0.77	-0.69	-0.63	-0.69	-0.83	-0.92	-1.14	-1.21	-1.41	-1.59	-1.75
70N	0.70	0.63	0.50	0.73	0.97	1.23	1.43	1.73	1.73	1.93	1.73	1.43	1.13	0.70	0.33	0.0	-0.20	-0.37
66N	2.81	2.13	1.38	2.12	2.41	2.75	3.01	3.97	4.32	4.41	4.35	4.02	3.48	2.91	2.36	1.92	1.45	1.07
62N	3.47	2.79	2.72	2.81	2.37	3.07	3.16	3.73	3.93	4.23	5.24	5.89	5.55	5.31	4.41	3.82	3.15	2.51
58N	3.78	3.36	3.23	3.13	3.03	3.07	3.07	3.19	3.71	4.11	5.61	6.69	7.23	7.11	6.61	5.90	5.07	4.30
54N	4.37	4.13	3.34	3.55	3.44	3.43	3.41	3.42	3.41	3.53	4.61	6.66	8.45	9.22	9.15	8.43	7.43	6.57
50N	5.43	5.03	4.30	4.70	4.53	4.47	4.40	4.43	4.37	4.70	5.30	6.63	9.17	11.17	12.30	11.73	10.50	9.23
46N	6.59	6.34	6.16	6.01	5.87	5.85	5.68	5.79	5.83	6.05	6.69	8.47	12.50	15.94	16.75	15.52	13.43	11.61
42N	8.01	7.49	7.46	7.37	7.22	7.16	7.04	7.11	7.18	7.54	8.53	11.17	15.69	19.27	19.39	18.17	16.15	14.28
38N	9.42	8.79	8.67	8.57	8.39	8.33	8.28	8.33	8.49	9.02	10.52	13.47	17.43	21.39	21.39	19.62	17.71	15.92
34N	10.69	10.23	9.31	9.56	9.37	9.36	9.37	9.47	9.75	10.44	12.29	14.86	17.69	21.95	22.41	19.93	17.80	16.21
30N	11.83	11.43	10.93	10.47	10.30	10.27	10.43	10.67	10.90	11.80	13.43	15.63	17.77	19.63	20.57	19.27	16.73	15.83
26N	12.53	11.99	11.63	11.07	10.99	10.99	11.47	11.47	11.63	12.91	14.23	15.93	17.85	19.23	19.47	18.15	16.55	15.86
22N	13.19	12.65	12.29	12.23	11.79	11.55	11.77	12.15	12.67	13.65	14.67	16.22	17.85	18.93	18.68	17.61	16.52	15.89
18N	13.60	13.19	12.85	12.53	12.33	12.18	12.33	12.68	13.37	14.23	15.36	16.45	17.79	18.35	18.12	17.33	16.55	15.97
14N	13.86	13.54	13.35	13.03	12.75	12.62	12.78	13.13	13.92	14.61	15.41	16.63	17.65	17.81	17.67	17.11	16.58	16.10
10N	14.10	13.83	13.67	13.23	13.23	13.10	13.23	13.67	14.27	14.93	15.47	16.87	17.30	17.30	17.13	16.87	16.63	16.23
6N	14.50	14.37	13.93	13.75	13.51	13.55	13.71	14.07	14.51	15.12	15.64	16.60						

	90W	85W	80W	75W	70W	55W	60W	55W	50W	55W	40W	35W	30W	25W	20W	15W	10W	5W
90V	-3.23	-3.23	-3.23	-3.23	-3.23	-3.23	-3.23	-3.23	-3.23	-3.23	-3.23	-3.23	-3.23	-3.23	-3.23	-3.23	-3.23	-3.23
86N	-3.26	-3.26	-3.21	-3.21	-3.21	-3.21	-3.26	-3.23	-3.21	-3.21	-3.18	-3.23	-3.21	-3.21	-3.15	-3.15	-3.13	-3.23
82N	-2.99	-2.99	-2.94	-2.94	-2.94	-2.93	-2.93	-2.84	-2.93	-2.93	-2.91	-2.97	-2.98	-2.97	-2.93	-2.91	-2.89	-3.02
78N	-2.59	-2.59	-2.51	-2.51	-2.49	-2.33	-2.35	-2.33	-2.35	-2.41	-2.49	-2.55	-2.58	-2.53	-2.53	-2.50	-2.43	-2.38
74N	-1.91	-1.93	-1.92	-1.88	-1.95	-1.81	-1.65	-1.62	-1.53	-1.74	-1.34	-1.94	-1.97	-1.95	-1.39	-1.34	-1.73	-1.64
70N	-0.47	-0.60	-0.67	-0.87	-0.97	-1.03	-0.93	-0.77	-0.83	-0.97	-1.07	-1.17	-1.03	-1.07	-0.90	-0.80	-0.30	-0.60
66N	0.75	0.52	0.40	0.17	0.02	-0.13	-0.05	0.03	-0.03	-0.14	-0.24	-0.31	-0.15	-0.37	-0.30	0.01	0.44	0.44
62N	2.03	1.68	1.43	1.17	0.99	0.92	0.95	0.93	0.81	0.50	0.71	0.74	0.85	0.93	1.01	1.04	1.27	1.44
58N	3.68	3.12	2.71	2.35	2.15	2.24	2.29	2.35	2.21	2.11	2.19	2.21	2.23	2.25	2.28	2.24	2.55	2.55
54N	5.75	4.92	4.37	3.87	3.71	3.93	4.05	4.27	4.17	4.13	4.19	4.03	4.02	3.83	3.83	3.77	3.90	3.90
50N	7.93	7.00	6.37	5.90	5.77	5.83	5.17	6.27	6.20	6.43	6.30	6.20	5.97	5.67	5.53	5.53	5.53	5.63
46N	10.25	9.24	8.15	7.79	8.03	8.05	3.17	8.24	8.28	8.43	8.30	8.36	8.05	7.51	7.35	7.29	7.40	7.66
42N	12.47	11.14	10.30	10.21	10.34	10.12	9.85	9.79	9.80	9.83	10.05	10.00	9.85	9.62	9.50	9.57	10.39	11.95
38N	14.13	12.77	12.13	12.06	12.10	11.65	11.17	10.97	10.96	11.04	11.13	11.27	11.30	11.37	11.53	11.97	13.59	15.99
34N	14.96	13.97	13.34	13.05	13.11	12.59	12.19	11.91	11.41	11.99	12.05	12.29	12.47	12.93	13.24	14.09	16.51	19.25
30N	14.93	14.40	14.03	13.63	13.53	13.23	13.10	12.90	12.73	12.77	12.73	13.17	13.53	14.13	14.73	15.53	19.10	23.17
26N	15.23	14.77	14.35	13.98	13.83	13.53	13.53	13.57	13.64	13.75	14.00	14.31	14.71	15.25	15.88	17.67	22.59	23.67
22N	15.36	14.95	14.73	14.43	14.06	13.89	13.93	14.01	14.19	14.42	15.03	15.44	15.88	16.43	17.27	19.18	21.93	22.20
18N	15.44	15.01	14.81	14.55	14.22	14.10	14.21	14.33	14.55	14.91	16.00	16.56	16.89	17.25	17.57	18.55	19.34	19.57
14N	15.59	15.12	14.68	14.40	14.31	14.21	14.32	14.51	14.73	15.20	16.60	17.27	17.31	17.37	16.55	16.23	16.51	16.72
10N	15.93	15.47	14.87	14.53	14.33	14.27	14.27	14.43	14.57	15.07	16.20	16.73	16.40	16.57	15.00	14.63	14.57	14.67
6N	15.85	15.57	14.60	13.41	13.53	13.79	14.05	14.33	14.30	14.69	15.24	15.45	15.					

Table 5.12--Continued

	OE	5E	10E	15E	20E	25E	30E	35E	40E	45E	50E	55E	60E	65E	70E	75E	80E	85E
90N	-3.23	-3.23	-3.23	-3.23	-3.23	-3.23	-3.23	-3.23	-3.23	-3.23	-3.23	-3.23	-3.23	-3.23	-3.23	-3.23	-3.23	-3.23
86N	-2.99	-2.97	-2.89	-2.86	-2.86	-2.83	-2.83	-2.78	-2.81	-2.78	-2.78	-2.75	-2.75	-2.73	-2.73	-2.75	-2.75	-2.75
82N	-2.73	-2.66	-2.56	-2.51	-2.49	-2.39	-2.33	-2.27	-2.22	-2.19	-2.15	-2.09	-2.01	-1.93	-2.00	-1.99	-2.05	-2.09
78N	-2.21	-2.09	-1.99	-1.85	-1.77	-1.62	-1.52	-1.44	-1.39	-1.35	-1.31	-1.20	-1.08	-1.01	-0.96	-0.93	-0.96	-1.00
74N	-1.39	-1.21	-1.07	-0.73	-0.46	-0.25	-0.12	-0.05	-0.09	-0.05	-0.06	0.06	0.15	0.30	0.47	0.56	0.65	0.71
70N	-0.40	-0.17	0.13	0.87	1.57	1.97	2.20	2.13	2.07	2.00	1.97	1.90	1.93	2.17	2.37	2.67	2.87	3.13
66N	0.69	0.98	1.23	1.93	2.58	3.27	3.96	4.40	4.57	4.53	4.55	4.51	4.33	4.22	4.31	4.48	4.63	4.84
62N	1.65	1.99	2.28	2.96	3.73	4.50	5.26	5.73	5.92	5.93	5.92	5.93	5.91	5.81	5.84	5.93	6.11	6.31
58N	2.73	3.25	3.53	4.24	5.07	5.85	6.46	6.89	7.03	7.14	7.11	7.17	7.26	7.20	7.23	7.25	7.37	7.52
54N	4.11	4.81	5.07	5.81	6.49	7.25	7.71	8.13	8.31	8.55	8.57	8.69	8.73	8.63	8.65	8.63	8.64	8.76
50N	5.90	6.33	6.80	7.47	7.80	8.37	8.97	9.20	9.67	9.97	10.20	10.40	10.43	10.33	10.17	10.20	10.27	10.60
46N	8.27	8.76	9.65	9.65	9.37	9.67	10.33	10.19	10.71	11.65	12.33	12.83	13.26	13.43	13.53	13.37	13.41	13.77
42N	12.51	12.31	12.25	11.94	11.25	11.60	12.31	12.17	13.07	14.07	14.67	15.19	15.79	16.30	17.03	18.59	19.62	19.77
38N	18.81	16.16	15.02	14.26	13.42	13.56	14.59	15.15	16.79	17.05	17.49	17.62	18.16	18.90	19.93	21.52	21.26	20.31
34N	20.39	19.73	17.92	16.55	15.68	15.32	15.55	18.04	20.55	22.05	20.72	19.99	20.30	21.07	21.70	21.42	18.52	16.01
30N	23.40	22.63	20.40	18.73	17.60	17.00	17.27	18.73	21.67	24.13	23.87	21.93	21.90	22.53	21.97	21.10	19.40	16.30
26N	23.67	23.33	22.29	20.60	19.52	18.76	18.52	19.61	22.15	24.35	24.51	24.20	22.62	21.89	20.71	19.98	19.29	18.01
22N	22.13	22.26	21.89	20.79	20.14	19.70	19.33	19.83	22.47	24.34	24.47	23.21	21.02	19.51	19.52	18.34	18.67	18.17
18N	19.60	19.89	19.83	19.47	19.27	19.18	18.99	19.35	21.73	23.81	23.09	20.91	18.91	17.29	16.51	17.03	17.85	17.64
14N	16.84	17.03	17.17	17.41	17.51	17.57	17.64	18.09	19.79	22.37	20.67	18.65	17.21	15.96	15.51	16.21	16.97	16.84
10N	14.60	14.90	15.33	15.97	16.20	16.37	16.33	16.60	17.20	19.60	13.40	17.10	15.93	15.13	15.00	15.33	15.93	15.80
6N	13.37	13.49	13.68	14.50	15.27	15.59	15.77	15.54	15.53	16.29								

Table 5.12--Continued

	90E	95E	100F	105E	110E	115E	120E	125E	130E	135E	140E	145E	150E	155E	160E	165E	170E	175E
90N	-3.23	-3.23	-3.23	-3.23	-3.23	-3.23	-3.23	-3.23	-3.23	-3.23	-3.23	-3.23	-3.23	-3.23	-3.23	-3.23	-3.23	-3.23
86N	-2.78	-2.83	-2.86	-2.86	-2.86	-2.89	-2.89	-2.86	-2.86	-2.91	-3.02	-2.99	-2.99	-3.02	-3.02	-3.05	-3.05	-2.99
82N	-2.21	-2.29	-2.39	-2.45	-2.49	-2.50	-2.50	-2.55	-2.55	-2.61	-2.63	-2.61	-2.61	-2.63	-2.63	-2.66	-2.66	-2.65
78N	-1.11	-1.24	-1.33	-1.57	-1.69	-1.75	-1.82	-1.99	-2.13	-2.17	-2.24	-2.24	-2.24	-2.25	-2.27	-2.27	-2.27	-2.27
74N	0.70	0.59	0.45	0.21	0.04	-0.12	-0.26	-0.55	-0.89	-1.11	-1.23	-1.27	-1.31	-1.39	-1.42	-1.44	-1.45	-1.41
70N	3.23	3.33	3.33	3.30	3.27	3.13	3.10	2.73	2.47	1.90	1.87	1.63	1.47	1.20	1.03	0.93	0.90	0.80
66N	4.99	5.39	5.37	5.91	6.01	6.01	5.91	5.91	5.91	5.21	5.01	4.59	4.48	4.13	3.57	3.20	3.05	2.91
62N	6.49	6.86	7.22	7.31	6.64	7.45	7.45	7.36	7.21	6.77	6.44	6.11	5.81	5.43	4.96	4.43	4.12	3.61
58N	7.71	8.07	8.38	8.48	7.75	8.53	8.55	8.36	8.06	7.53	7.21	6.89	6.48	6.04	5.57	5.08	4.64	3.97
54N	9.01	9.53	9.95	9.97	9.92	9.86	9.63	9.81	9.12	8.49	8.04	7.57	7.17	6.65	6.19	5.61	5.09	4.61
50N	11.20	11.90	12.13	11.83	11.73	11.57	11.30	11.27	10.60	9.80	9.27	8.77	8.27	7.67	7.07	6.43	5.87	5.73
46N	14.24	14.36	15.17	15.01	15.23	13.75	12.61	12.81	11.92	11.27	10.76	10.15	9.60	9.16	8.61	7.85	7.31	6.91
42N	20.02	19.02	16.13	17.52	16.85	15.30	14.47	13.88	12.88	12.61	12.37	11.84	11.39	10.93	10.30	9.60	8.97	8.44
38N	20.05	18.81	16.25	18.92	17.83	16.71	15.23	14.81	14.11	14.01	13.47	13.01	12.57	12.07	11.44	10.62	10.00	10.00
34N	15.08	14.97	15.99	19.27	18.59	17.96	17.43	15.88	15.49	15.41	15.29	14.73	14.10	13.77	13.55	12.98	12.11	11.37
30N	15.13	14.60	15.03	19.13	18.90	18.47	17.83	17.27	16.37	16.10	15.53	15.37	14.63	14.30	14.03	13.70	13.37	12.47
26N	17.32	15.76	16.98	18.31	18.32	17.80	17.41	17.05	16.61	16.23	15.56	15.39	14.98	14.65	14.35	14.25	13.61	13.21
22N	17.55	16.70	16.87	17.66	17.50	17.25	16.74	16.53	16.19	15.65	15.42	15.21	14.89	14.73	14.79	14.82	14.71	14.73
18N	17.00	15.99	16.07	16.83	17.19	16.61	15.39	16.34	16.23	15.93	15.49	15.31	15.33	14.77	14.77	14.53	14.21	13.85
14N	16.32	15.53	15.37	15.81	16.13	15.87	15.85	15.89	15.80	15.97	15.48	15.43	15.33	15.22	14.99	14.70	14.45	14.10
10N	15.60	15.53	14.97	14.90	14.93	15.20	15.40	15.47	15.27	15.21	15.27	15.40	15.30	15.30	15.20	14.83	14.53	14.37
6N	14.95	14.95	14.81	14.66	14.87	15.07	15.05	15.04	1									

Table 5.15

JUNE-JULY-AUGUST 800-mb ZONAL WIND (m/sec), N/Hem

[illegible]

Table 5.15--Continued

	2.5E	7.5E	12.5E	17.5E	22.5E	27.5E	32.5E	37.5E	42.5E	47.5E	52.5E	57.5E	62.5E	67.5E	72.5E	77.5E	82.5E	87.5E
88N	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
84N	2.64	2.77	2.77	2.64	2.57	2.57	2.57	2.57	2.57	2.57	2.57	2.57	2.57	2.57	2.57	2.57	2.57	2.57
80N	2.51	2.90	3.02	2.90	2.77	2.64	2.57	2.57	2.57	2.57	2.57	2.57	2.57	2.57	2.57	2.57	2.51	2.38
76N	2.45	2.70	2.83	2.83	2.77	2.64	2.57	2.57	2.51	2.57	2.32	2.32	2.32	2.32	2.32	2.32	2.19	1.93
72N	2.57	2.57	2.57	2.57	2.51	2.38	2.32	2.32	2.25	2.12	2.06	2.06	2.06	2.06	2.06	2.06	1.80	1.29
68N	2.57	2.57	2.57	2.57	2.38	2.32	2.32	2.32	2.32	2.32	2.32	2.32	2.32	2.32	2.32	2.32	1.87	0.97
64N	2.77	2.64	2.57	2.57	2.64	2.77	2.77	2.64	2.64	2.77	2.77	2.64	2.57	2.57	2.57	2.57	2.19	1.42
60N	3.93	3.54	3.28	3.15	3.09	3.09	3.02	2.90	3.02	3.41	3.54	3.41	3.22	2.96	2.77	2.64	2.38	1.99
56N	5.21	4.83	4.44	4.05	3.60	3.09	2.83	2.83	3.09	3.60	3.86	3.86	3.00	3.09	2.77	2.64	2.51	2.38
52N	5.34	5.21	4.89	4.38	3.73	2.96	2.57	2.57	2.70	2.96	3.09	3.09	2.96	2.70	2.57	2.57	2.57	2.57
48N	5.15	4.83	4.18	3.54	2.90	2.51	2.38	2.38	2.25	2.12	2.06	2.06	1.99	1.87	1.99	2.38	2.57	2.57
44N	4.63	4.63	4.31	3.67	3.15	2.77	2.51	2.38	2.25	2.12	1.74	1.09	0.71	0.58	1.03	2.06	2.57	2.57
40N	3.60	3.60	3.47	3.22	2.96	2.70	2.57	2.57	2.51	2.39	1.74	0.58	0.0	0.0	0.58	1.74	2.25	2.12
36N	2.64	2.77	2.51	1.87	1.80	2.32	2.70	2.56	2.56	2.70	1.93	0.64	0.0	0.0	0.51	1.54	1.67	1.67
32N	0.64	0.90	0.77	0.26	0.83	1.93	2.83	3.55	3.47	3.22	2.51	1.35	0.71	0.53	0.34	1.48	1.67	1.42
28N	-2.32	-1.80	-1.22	-0.58	0.32	1.48	2.32	2.83	3.28	3.57	3.41	2.51	1.99	1.87	1.80	1.80	1.67	1.42
24N	-4.25	-3.47	-2.64	-1.74	-0.77	0.26	1.29	2.32	3.02	3.41	3.67	3.83	3.73	3.47	3.22	2.96	2.70	2.45
20N	-4.44	-3.54	-2.90	-2.51	-1.87	-0.97	0.00	1.03	1.87	2.51	3.41	4.57	5.21	5.34	5.34	5.21	4.89	4.38
16N	-3.15	-2.25	-1.60	-1.80	-1.61	-1.22	-0.77	-0.26	0.64	1.93	3.22	4.50	5.66	5.69	7.34	7.59	7.40	6.76
12N	-1.48	-0.84	-0.51	-0.51	-0.64	-0.90	-0.77	-0.26	0.64	1.93	3.22	4.50	5.92	7.46	8.56	9.20	9.07	8.17
8N	-0.39	-0.13	0.0	0.0	-0.19	-0.58	-0.19	0.58	1.74	3.02	4.44	4.44	5.93	7.66	9.85	9.65	8.37	8.37
4N	0.0	0.0	0.0	0.0	-0.06	-0.19	-0.13	0.13	0.71	1.61	2.33	4.38	5.36	7.27	8.75	8.69	8.69	8.04
0	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
45S	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
85S	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
125S	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
165S	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
205S	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
245S	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
285S	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
325S	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
365S	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
405S	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
445S	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
485S	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
525S	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
565S	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
605S	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
645S	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
685S	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
725S	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
765S	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
805S	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
845S	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
885S	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****

Table 5.15--Continued

88N	92.5E	97.5E	102.5E	107.5E	112.5E	117.5E	122.5E	127.5E	132.5E	137.5E	142.5E	147.5E	152.5E	157.5E	162.5E	167.5E	172.5E	177.5E
84N	2.57	2.57	2.57	2.57	2.57	2.57	2.57	2.57	2.57	2.57	2.57	2.57	2.57	2.57	2.57	2.57	2.57	2.57
80N	2.32	2.32	2.32	2.51	2.57	2.57	2.57	2.57	2.57	2.57	2.57	2.57	2.57	2.57	2.57	2.57	2.57	2.57
76N	1.80	1.80	1.99	2.38	2.57	2.57	2.64	2.77	2.83	2.83	2.83	2.83	2.83	2.83	2.83	2.83	2.83	2.83
72N	1.09	1.22	1.54	2.06	2.32	2.32	2.51	2.90	3.15	3.23	3.15	3.15	3.15	3.15	3.15	3.15	3.15	3.15
68N	0.64	0.30	1.29	1.80	1.99	1.87	2.06	2.57	2.90	3.02	3.09	3.09	3.09	3.09	3.09	3.09	3.09	3.09
64N	1.09	1.22	1.43	1.87	1.87	1.61	2.25	2.57	2.57	2.57	2.64	2.77	2.64	2.64	2.64	2.64	2.64	2.64
60N	1.80	1.80	1.87	1.99	1.80	1.29	1.35	1.99	2.32	2.32	2.38	2.51	2.77	2.77	2.77	2.77	2.77	2.77
56N	2.32	2.32	2.32	2.32	2.32	2.32	2.32	2.32	2.32	2.32	2.32	2.32	2.32	2.32	2.32	2.32	2.32	2.32
52N	2.57	2.57	2.57	2.57	2.57	2.57	2.57	2.57	2.57	2.57	2.57	2.57	2.57	2.57	2.57	2.57	2.57	2.57
48N	2.64	2.64	2.64	2.64	2.64	2.64	2.64	2.64	2.64	2.64	2.64	2.64	2.64	2.64	2.64	2.64	2.64	2.64
44N	2.70	2.70	2.70	2.70	2.70	2.70	2.70	2.70	2.70	2.70	2.70	2.70	2.70	2.70	2.70	2.70	2.70	2.70
40N	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25
36N	1.80	1.80	1.80	1.80	1.80	1.80	1.80	1.80	1.80	1.80	1.80	1.80	1.80	1.80	1.80	1.80	1.80	1.80
32N	1.61	1.61	1.61	1.61	1.61	1.61	1.61	1.61	1.61	1.61	1.61	1.61	1.61	1.61	1.61	1.61	1.61	1.61
28N	1.61	1.61	1.61	1.61	1.61	1.61	1.61	1.61	1.61	1.61	1.61	1.61	1.61	1.61	1.61	1.61	1.61	1.61
24N	2.51	2.51	2.51	2.51	2.51	2.51	2.51	2.51	2.51	2.51	2.51	2.51	2.51	2.51	2.51	2.51	2.51	2.51
20N	4.18	4.18	4.18	4.18	4.18	4.18	4.18	4.18	4.18	4.18	4.18	4.18	4.18	4.18	4.18	4.18	4.18	4.18
16N	6.11	6.11	6.11	6.11	6.11	6.11	6.11	6.11	6.11	6.11	6.11	6.11	6.11	6.11	6.11	6.11	6.11	6.11
12N	7.08	7.08	7.08	7.08	7.08	7.08	7.08	7.08	7.08	7.08	7.08	7.08	7.08	7.08	7.08	7.08	7.08	7.08
8N	7.08	7.08	7.08	7.08	7.08	7.08	7.08	7.08	7.08	7.08	7.08	7.08	7.08	7.08	7.08	7.08	7.08	7.08
4N	7.08	7.08	7.08	7.08	7.08	7.08	7.08	7.08	7.08	7.08	7.08	7.08	7.08	7.08	7.08	7.08	7.08	7.08
0																		
4S																		
8S																		
12S																		
16S																		
20S																		
24S																		
28S																		
32S																		
36S																		
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52S																		
56S																		
60S																		
64S																		
68S																		
72S																		
76S																		
80S																		
84S																		
88S																		

Table 5.16

JUNE-JULY-AUGUST 800-mb MERIDIONAL WIND (m/sec), N/Hem

[illegible]

	37.5W	92.5W	77.5W	72.5W	67.5W	62.5W	57.5W	52.5W	47.5W	42.5W	37.5W	32.5W	27.5W	22.5W	17.5W	12.5W	7.5W	2.5W
88N	0.84	0.45	0.32	0.45	0.45	0.32	0.13	-0.13	-0.51	-1.03	-1.29	-1.29	-1.29	-1.29	-1.29	-1.29	-1.29	-1.29
84N	0.97	0.84	0.90	1.16	1.16	0.90	0.58	0.19	-0.39	-1.16	-1.54	-1.54	-1.54	-1.54	-1.54	-1.54	-1.54	-1.54
80N	0.97	0.84	0.90	1.16	1.16	0.90	0.58	0.19	-0.39	-1.16	-1.54	-1.54	-1.54	-1.54	-1.54	-1.54	-1.54	-1.54
76N	0.64	0.39	0.32	0.45	0.39	0.13	0.0	-0.32	-0.97	-1.35	-1.54	-1.54	-1.54	-1.54	-1.54	-1.54	-1.54	-1.54
72N	0.64	0.39	0.32	0.45	0.39	0.13	0.0	-0.32	-0.97	-1.35	-1.54	-1.54	-1.54	-1.54	-1.54	-1.54	-1.54	-1.54
68N	-0.06	-0.19	-0.00	0.51	0.77	0.77	0.71	0.58	0.26	-0.26	-0.71	-1.09	-1.09	-1.09	-1.09	-1.09	-1.09	-1.09
64N	-0.77	-0.77	-0.25	0.77	1.35	1.48	1.42	1.16	0.90	0.54	0.39	0.13	0.13	0.19	0.58	0.97	1.35	1.54
60N	-1.03	-1.03	-0.64	0.13	0.13	0.71	1.09	1.29	1.29	1.29	1.29	1.29	1.29	1.35	1.43	1.54	1.54	1.54
56N	-1.03	-1.03	-0.64	0.13	0.13	0.58	0.71	0.97	1.35	1.54	1.54	1.54	1.54	1.54	1.54	1.54	1.54	1.54
52N	-0.84	-0.97	-0.51	0.51	0.51	0.84	0.45	0.51	1.03	1.35	1.48	1.35	1.35	1.22	1.09	0.90	0.64	0.51
48N	-0.45	-0.84	-0.53	0.32	0.32	0.64	0.39	0.64	1.03	1.35	1.48	1.29	0.77	0.39	0.13	0.0	-0.19	-0.58
44N	-0.26	-0.77	-0.71	-0.06	0.39	0.64	0.64	0.64	0.97	1.35	1.48	1.35	0.90	0.13	-0.39	-0.64	-0.19	-0.39
40N	0.00	-0.51	-0.45	0.19	0.71	1.09	1.35	1.48	1.29	0.77	0.19	-0.45	-0.40	-1.16	-0.97	-0.32	-0.39	-1.16
36N	0.32	-0.36	0.13	0.90	1.42	1.67	1.74	1.61	1.35	0.19	-0.51	-1.03	-1.29	-1.29	-0.34	0.06	0.06	-0.84
32N	0.64	0.39	0.64	1.42	1.42	1.93	2.19	2.12	1.74	1.09	0.19	-0.58	-1.22	-1.35	-0.97	-0.13	1.16	-0.13
28N	1.61	1.22	1.35	1.99	2.38	2.51	2.32	2.51	1.99	1.35	0.45	-0.45	-1.35	-1.42	-0.64	0.45	1.87	1.87
24N	2.32	1.80	1.80	2.32	2.57	2.57	2.57	2.51	2.38	1.74	0.58	-0.45	-1.35	-1.35	-0.64	0.71	2.12	2.25
20N	1.87	1.48	1.43	1.87	2.19	2.45	2.57	2.57	2.57	1.93	0.64	-0.39	-1.16	-1.03	0.0	1.09	2.25	2.38
16N	1.16	0.90	0.90	1.16	1.61	2.25	2.57	2.57	2.57	2.19	1.42	0.45	-0.71	-0.77	0.25	1.33	1.54	1.61
12N	0.45	0.32	0.32	0.45	0.97	1.37	2.32	2.51	2.45	2.19	1.42	0.13	-0.32	0.06	0.39	0.64	0.71	0.58
8N	0.0	0.0	0.0	0.0	0.39	1.16	1.80	2.32	2.25	1.61	1.03	0.51	0.19	0.06	0.13	0.39	0.39	0.13
4N	0.0	0.0	-0.06	-0.19	-0.06	0.32	0.90	1.67	1.61	0.71	0.32	0.45	0.39	0.13	0.13	0.39	0.45	0.32
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84S																		
88S																		

Table 5.16---Continued

[illegible]

Table 5.16--Continued

[illegible]

Table 5.17

JULY 800-mb ZONAL GEOSTROPHIC (m/sec)

	177.5W	172.5W	167.5W	162.5W	157.5W	152.5W	147.5W	142.5W	137.5W	132.5W	127.5W	122.5W	117.5W	112.5W	107.5W	102.5W	97.5W	92.5W
88N	-0.45	-0.34	-0.32	-0.20	-0.11	-0.02	0.08	0.15	0.22	0.30	0.38	0.46	0.51	0.55	0.60	0.65	0.69	0.72
84N	-0.05	0.03	0.15	0.29	0.40	0.50	0.60	0.68	0.74	0.77	0.79	0.80	0.80	0.77	0.71	0.67	0.63	0.57
80N	0.74	0.87	1.02	1.13	1.23	1.33	1.45	1.59	1.62	1.61	1.54	1.46	1.36	1.21	1.02	0.84	0.65	0.44
76N	1.58	1.74	1.91	2.08	2.27	2.42	2.53	2.57	2.59	2.54	2.41	2.24	2.05	1.83	1.56	1.25	0.93	0.58
72N	2.02	2.17	2.32	2.49	2.69	2.88	3.05	3.17	3.23	3.20	3.05	2.85	2.65	2.44	2.15	1.81	1.43	0.99
68N	1.63	1.71	1.83	1.99	2.19	2.42	2.69	2.92	3.09	3.17	3.11	2.95	2.65	2.47	2.22	1.90	1.50	1.00
64N	0.96	1.02	1.16	1.32	1.50	1.73	1.99	2.28	2.54	2.71	2.75	2.67	2.59	2.56	2.52	2.47	2.33	2.10
60N	1.14	1.31	1.52	1.70	1.82	1.91	2.02	2.20	2.35	2.44	2.45	2.42	2.45	2.53	2.66	2.80	2.89	2.93
56N	2.64	2.96	3.23	3.37	3.37	3.24	3.09	2.98	2.84	2.64	2.47	2.42	2.52	2.71	2.95	3.24	3.55	3.85
52N	5.29	5.65	5.84	5.82	5.63	5.31	4.90	4.45	3.91	3.30	2.81	2.62	2.72	2.96	3.24	3.61	4.07	4.64
48N	7.52	7.61	7.49	7.20	6.84	6.44	5.98	5.43	4.71	3.81	3.02	2.64	2.64	2.87	3.16	3.59	4.20	4.94
44N	7.74	7.36	6.89	6.41	5.99	5.68	5.40	5.03	4.43	3.57	2.73	2.26	2.21	2.40	2.75	3.30	4.04	4.81
40N	6.11	5.44	4.80	4.32	4.00	3.84	3.76	3.57	3.21	2.63	2.04	1.71	1.70	1.91	2.34	2.98	3.72	4.41
36N	3.52	2.89	2.34	1.97	1.77	1.70	1.67	1.57	1.43	1.25	1.14	1.13	1.22	1.43	1.86	2.43	3.00	3.51
32N	0.91	0.56	0.24	-0.03	-0.23	-0.35	-0.47	-0.58	-0.57	-0.51	-0.46	-0.53	-0.65	-0.75	-0.98	-1.28	-1.56	-1.85
28N	-1.36	-1.43	-1.69	-1.95	-2.20	-2.45	-2.66	-2.76	-2.58	-1.89	-0.97	-0.39	-0.39	-0.61	-0.72	-0.78	-0.80	-0.69
24N	-3.62	-3.74	-3.94	-4.16	-4.39	-4.67	-4.89	-4.91	-4.48	-3.47	-2.32	-1.70	-1.85	-2.36	-2.83	-3.21	-3.53	-3.70
20N	-5.90	-6.11	-6.27	-6.40	-6.53	-6.72	-6.84	-6.71	-6.07	-4.83	-3.55	-3.01	-3.13	-3.70	-4.36	-5.04	-5.75	-6.39
16N	-7.48	-7.75	-7.92	-7.99	-7.93	-7.78	-7.89	-7.55	-6.74	-5.54	-4.39	-3.69	-3.57	-3.91	-4.57	-5.47	-6.58	-7.80
12N	-7.12	-7.39	-7.60	-7.69	-7.58	-7.30	-6.88	-6.27	-5.40	-4.42	-3.53	-2.78	-2.27	-2.16	-2.59	-3.52	-4.87	-6.42
8N	-5.39	-5.54	-5.71	-5.76	-5.48	-4.92	-4.25	-3.46	-2.61	-1.92	-1.32	-0.83	-0.32	-0.32	-0.61	-1.59	-3.22	-5.22
4N	-4.62	-4.72	-4.86	-4.78	-4.26	-3.47	-2.66	-1.91	-1.29	-0.93	-0.63	-0.02	0.84	1.44	1.39	0.69	-0.51	-1.84
0	-5.22	-5.48	-5.69	-5.54	-4.82	-3.78	-2.89	-2.34	-2.13	-2.21	-2.35	-2.16	-1.66	-1.26	-1.27	-1.73	-2.46	-3.07
4S	-6.05	-6.47	-6.67	-6.42	-5.57	-4.43	-3.57	-3.24	-3.31	-3.71	-4.22	-4.48	-4.42	-4.32	-4.42	-4.74	-5.10	-5.12
8S	-6.10	-6.44	-6.60	-5.92	-5.07	-4.16	-3.54	-3.22	-3.49	-3.49	-4.06	-4.54	-4.77	-4.97	-5.37	-5.93	-6.45	-6.55
12S	-3.46	-3.52	-3.29	-2.84	-2.37	-2.04	-1.85	-1.65	-1.39	-1.35	-1.72	-2.18	-2.52	-2.93	-3.63	-4.53	-5.42	-6.05
16S	1.15	1.29	1.46	1.46	1.30	1.08	0.87	0.79	0.91	1.04	0.90	0.59	0.27	-0.19	-0.92	-1.81	-2.74	-3.65
20S	4.87	5.03	5.09	4.73	4.17	3.72	3.38	3.08	2.93	2.96	2.94	2.83	2.64	2.29	1.76	1.13	0.38	-0.51
24S	6.82	7.03	6.94	6.46	5.91	5.56	5.34	5.05	4.74	4.54	4.67	4.70	4.63	4.45	4.24	3.93	3.42	2.66
28S	7.13	7.31	7.29	7.00	6.72	6.66	6.72	6.50	6.40	6.44	6.44	6.47	6.43	6.42	6.50	6.46	6.09	5.44
32S	6.78	7.04	7.13	7.13	7.18	7.33	7.60	7.84	7.92	7.94	8.00	8.01	7.99	8.07	8.27	8.36	8.11	7.59
36S	6.43	6.88	7.17	7.38	7.56	7.77	8.06	8.39	8.60	8.70	8.83	8.94	9.01	9.10	9.24	9.35	9.31	9.08
40S	6.37	6.82	7.13	7.53	7.84	8.08	8.30	8.56	8.75	8.87	9.05	9.28	9.45	9.53	9.58	9.69	9.85	9.96
44S	6.71	7.07	7.41	7.80	8.17	8.42	8.60	8.76	8.95	9.04	9.13	9.37	9.56	9.63	9.62	9.72	10.01	10.36
48S	7.89	8.00	8.17	8.47	8.82	9.08	9.24	9.34	9.34	9.37	9.47	9.59	9.71	9.71	9.81	9.92	10.19	10.55
52S	9.75	9.60	9.55	9.64	9.83	10.00	10.12	10.19	10.17	10.17	10.15	10.14	10.21	10.33	10.45	10.58	10.71	10.85
56S	11.19	10.93	10.74	10.64	10.59	10.55	10.54	10.50	10.56	10.53	10.47	10.43	10.50	10.66	10.82	10.93	10.90	10.77
60S	11.27	11.03	10.78	10.67	10.43	10.13	9.99	9.91	9.85	9.77	9.69	9.62	9.64	9.72	9.79	9.79	9.63	9.37
64S	9.87	9.85	9.72	9.48	9.15	8.75	8.41	8.19	8.01	7.83	7.66	7.49	7.36	7.26	7.13	6.98	6.75	6.49
68S	7.18	7.32	7.31	7.14	6.82	6.40	6.01	5.63	5.37	5.07	4.77	4.47	4.17	3.87	3.59	3.32	3.10	2.96
72S	3.68	3.93	3.93	3.81	3.64	3.33	3.11	2.85	2.58	2.31	2.05	1.80	1.52	1.25	1.03	0.82	0.72	0.77
76S	-0.01	-0.03	-0.02	-0.01	-0.01	-0.01	-0.02	-0.03	-0.05	-0.04	-0.03	-0.02	-0.02	-0.04	-0.04	-0.04	0.04	0.22
80S	-3.21	-3.49	-3.46	-3.44	-3.33	-3.17	-2.96	-2.73	-2.49	-2.22	-1.93	-1.66	-1.39	-1.17	-0.97	-0.77	-0.53	-0.37
84S	-4.94	-5.21	-5.35	-5.37	-5.27	-5.11	-4.90	-4.59	-4.26	-3.93	-3.57	-3.21	-2.85	-2.53	-2.24	-1.97	-1.72	-1.52
88S	-4.13	-4.36	-4.53	-4.63	-4.64	-4.62	-4.58	-4.43	-4.27	-4.11	-3.92	-3.71	-3.47	-3.23	-3.02	-2.79	-2.54	-2.32

Table 5.17--Continued

	87.5W	82.5W	77.5W	72.5W	67.5W	62.5W	57.5W	52.5W	47.5W	42.5W	37.5W	32.5W	27.5W	22.5W	17.5W	12.5W	7.5W	2.5W
88N	0.77	0.81	0.84	0.91	0.97	1.02	1.06	1.09	1.12	1.12	1.11	1.09	1.04	0.97	0.90	0.81	0.72	0.62
84N	0.55	0.54	0.56	0.63	0.73	0.84	0.95	1.08	1.22	1.31	1.35	1.32	1.26	1.16	1.02	0.88	0.76	0.66
80N	0.27	0.15	0.09	0.10	0.17	0.30	0.51	0.76	1.00	1.19	1.28	1.26	1.19	1.06	0.90	0.77	0.71	0.68
76N	0.25	-0.02	-0.20	-0.31	-0.33	-0.25	-0.06	0.20	0.46	0.67	0.78	0.77	0.68	0.57	0.47	0.42	0.48	0.61
72N	0.56	0.18	-0.12	-0.35	-0.51	-0.58	-0.51	-0.37	-0.24	-0.12	-0.05	-0.08	-0.16	-0.19	-0.13	-0.00	0.22	0.52
68N	1.09	0.69	0.32	0.03	-0.19	-0.35	-0.43	-0.45	-0.47	-0.44	-0.43	-0.42	-0.39	-0.27	-0.05	0.23	0.55	0.89
64N	1.82	1.49	1.15	0.86	0.69	0.59	0.50	0.46	0.45	0.51	0.60	0.72	0.91	1.11	1.35	1.58	1.81	2.03
60N	2.87	2.69	2.42	2.20	2.12	2.13	2.19	2.29	2.43	2.65	2.91	3.17	3.40	3.54	3.58	3.57	3.53	3.56
56N	4.10	4.17	4.07	3.94	3.95	4.09	4.32	4.63	4.97	5.35	5.75	6.04	6.16	5.10	5.34	5.47	5.17	4.99
52N	5.19	5.55	5.70	5.75	5.87	6.13	6.48	6.90	7.36	7.78	8.11	8.26	8.17	7.87	7.36	6.77	6.26	5.89
48N	5.67	6.30	6.77	7.09	7.37	7.71	8.08	8.44	8.73	8.83	8.88	8.71	8.41	7.99	7.48	6.94	6.44	6.03
44N	5.58	6.34	7.07	7.67	8.11	8.47	8.73	8.84	8.73	8.40	7.95	7.44	6.96	6.55	6.22	5.93	5.68	5.42
40N	5.07	5.82	6.65	7.39	7.89	8.16	8.21	7.98	7.46	6.72	5.93	5.21	4.64	4.27	4.08	4.06	4.10	4.09
36N	4.01	4.62	5.37	6.07	6.47	6.52	5.25	5.72	4.94	4.04	3.15	2.43	1.90	1.57	1.47	1.62	1.87	2.10
32N	2.20	2.63	3.17	3.65	3.78	3.49	2.90	2.13	1.32	0.59	-0.04	-0.52	-0.84	-1.04	-1.08	-0.88	-0.56	-0.24
28N	-0.50	-0.25	0.07	0.29	0.16	-0.39	-1.16	-1.99	-2.62	-2.93	-3.04	-3.02	-2.94	-2.85	-2.76	-2.55	-2.29	-2.08
24N	-2.76	-3.70	-3.51	-3.35	-3.51	-4.04	-4.73	-5.36	-5.68	-5.60	-5.23	-4.72	-4.19	-3.76	-3.44	-3.19	-3.05	-3.07
20N	-6.88	-7.03	-6.79	-6.45	-6.44	-6.77	-7.19	-7.48	-7.46	-7.13	-6.53	-5.79	-5.01	-4.32	-3.75	-3.40	-3.35	-3.53
16N	-8.78	-9.11	-8.73	-8.17	-7.98	-8.13	-8.30	-8.24	-7.93	-7.47	-6.89	-6.20	-5.41	-4.59	-3.93	-3.35	-3.24	-3.41
12N	-7.66	-8.07	-7.70	-7.24	-7.18	-7.36	-7.42	-7.18	-6.72	-6.24	-5.83	-5.39	-4.79	-4.39	-3.15	-2.55	-2.29	-2.29
8N	-4.45	-4.84	-4.73	-4.79	-5.19	-5.54	-5.57	-5.33	-4.91	-4.39	-3.96	-3.65	-3.20	-2.44	-1.59	-1.00	-0.68	-0.58
4N	-2.62	-2.57	-2.23	-2.49	-3.14	-3.67	-3.85	-3.88	-3.73	-3.33	-2.85	-2.51	-2.11	-1.44	-0.78	-0.42	-0.25	-0.18
0	-2.95	-1.92	-0.75	-0.36	-0.80	-1.51	-2.14	-2.72	-3.11	-3.09	-2.82	-2.52	-2.16	-1.75	-1.49	-1.48	-1.55	-1.54
4S	-4.21	-2.26	-0.18	0.96	0.90	0.13	-0.94	-2.12	-3.06	-3.50	-3.53	-3.31	-2.99	-2.77	-2.90	-3.02	-3.24	-3.25
8S	-5.63	-3.50	-1.09	0.41	0.68	0.12	-1.05	-2.59	-3.91	-4.67	-4.96	-4.93	-4.62	-4.25	-4.10	-4.14	-4.18	-4.02
12S	-5.83	-4.40	-2.42	-0.95	-0.30	-0.40	-1.29	-2.75	-4.08	-4.85	-5.23	-5.37	-5.13	-4.55	-4.04	-3.77	-3.55	-3.24
16S	-4.13	-3.71	-2.55	-1.29	-0.35	0.02	-0.42	-1.42	-2.29	-2.71	-2.94	-3.15	-3.07	-2.61	-2.08	-1.73	-1.52	-1.35
20S	-1.34	-1.75	-1.50	-0.73	0.21	0.86	0.91	0.60	0.46	0.57	0.59	0.39	0.04	0.38	0.72	0.98	1.05	0.99
24S	1.76	0.84	0.29	0.44	1.10	1.82	2.33	2.73	3.35	3.89	4.39	4.91	5.39	5.81	6.19	6.60	6.96	7.36
28S	4.58	3.46	2.45	2.06	2.32	2.95	3.76	4.73	5.72	6.43	6.68	6.56	6.24	5.95	5.37	5.88	6.21	6.64
32S	6.84	5.84	4.87	4.29	4.20	4.57	5.37	6.45	7.49	8.20	8.55	8.58	8.46	8.27	8.21	8.23	8.22	8.14
36S	8.62	7.99	7.40	6.93	6.58	6.60	7.18	8.13	9.07	9.79	10.26	10.58	10.72	10.73	10.74	10.81	10.88	10.86
40S	9.89	9.69	9.50	9.18	8.72	8.52	8.92	9.70	10.50	11.20	11.80	12.28	12.64	12.83	12.93	13.05	13.15	13.17
44S	10.58	10.70	10.75	10.56	10.15	9.93	10.23	10.84	11.44	12.02	12.61	13.20	13.72	14.03	14.31	14.48	14.62	14.69
48S	10.83	11.00	11.37	10.92	10.64	10.51	11.74	11.15	11.51	11.92	12.47	13.10	13.75	14.30	14.70	14.97	15.19	15.35
52S	10.93	10.90	10.77	10.53	10.25	10.07	10.11	10.27	10.47	10.79	11.31	11.94	12.63	13.25	13.74	14.06	14.33	14.59
56S	10.59	10.32	9.96	9.57	9.16	8.80	8.61	8.60	8.73	9.00	9.43	9.93	10.41	10.80	11.09	11.28	11.44	11.69
60S	9.06	8.70	8.31	7.92	7.51	7.12	5.88	6.82	6.92	7.08	7.27	7.43	7.48	7.41	7.28	7.11	7.03	7.02
64S	6.25	6.04	5.35	5.71	5.55	5.38	5.28	5.27	5.31	5.26	5.09	4.80	4.36	3.82	3.25	2.70	2.24	1.93
68S	2.95	3.03	3.29	3.56	3.82	3.99	4.10	4.14	4.02	3.70	3.17	2.49	1.70	0.90	0.13	-0.60	-1.25	-1.78
72S	0.93	1.35	1.83	2.35	2.80	3.11	3.22	3.12	2.79	2.25	1.55	0.81	0.06	-0.62	-1.20	-1.70	-2.16	-2.57
76S	0.49	0.84	1.25	1.63	1.91	2.03	1.92	1.60	1.13	0.54	-0.06	-0.59	-1.03	-1.37	-1.56	-1.66	-1.75	-1.86
80S	-0.15	0.06	0.25	0.37	0.40	0.29	0.04	-0.33	-0.76	-1.13	-1.56	-1.81	-1.95	-1.99	-1.90	-1.72	-1.55	-1.43
84S	-1.37	-1.26	-1.19	-1.17	-1.22	-1.34	-1.49	-1.68	-1.88	-2.02	-2.10	-2.09	-1.99	-1.82	-1.59	-1.29	-0.99	-0.76
88S	-2.15	-1.99	-1.81	-1.65	-1.51	-1.37	-1.23	-1.10	-0.97	-0.73	-0.58	-0.37	-0.13	0.14	0.41	0.73	1.00	1.24

Table 5.17--Continued

	2.5E	7.5E	12.5E	17.5E	22.5E	27.5E	32.5E	37.5E	42.5E	47.5E	52.5E	57.5E	62.5E	67.5E	72.5E	77.5E	82.5E	87.5E
88N	0.52	0.43	0.35	0.26	0.16	0.08	0.01	-0.06	-0.12	-0.19	-0.26	-0.32	-0.36	-0.38	-0.40	-0.42	-0.43	-0.43
84N	0.57	0.49	0.43	0.40	0.36	0.33	0.30	0.24	0.20	0.15	0.11	0.09	0.09	0.12	0.17	0.22	0.23	0.35
80N	0.63	0.71	0.79	0.90	0.99	1.06	1.10	1.13	1.09	1.04	0.98	0.95	0.93	0.94	0.97	1.01	1.09	1.16
76N	0.75	0.94	1.20	1.47	1.69	1.83	2.03	2.09	2.13	2.11	2.03	1.94	1.86	1.75	1.69	1.64	1.63	1.64
72N	0.81	1.13	1.50	1.85	2.16	2.45	2.68	2.82	2.91	2.84	2.67	2.73	2.55	2.35	2.13	1.92	1.74	1.64
68N	1.19	1.43	1.80	2.08	2.31	2.55	2.76	2.91	3.02	3.07	3.00	2.85	2.61	2.33	2.04	1.75	1.54	1.40
64N	2.20	2.35	2.50	2.53	2.58	2.53	2.61	2.63	2.67	2.70	2.61	2.43	2.20	1.93	1.70	1.54	1.46	1.42
60N	3.60	3.62	3.60	3.44	3.17	2.87	2.67	2.51	2.44	2.42	2.34	2.17	1.96	1.77	1.65	1.69	1.79	1.88
56N	4.89	4.83	4.61	4.26	3.80	3.30	2.86	2.55	2.33	2.40	2.33	2.14	2.01	2.01	2.00	2.15	2.34	2.47
52N	5.64	5.40	5.04	4.56	3.99	3.36	2.80	2.41	2.29	2.42	2.66	2.77	2.64	2.45	2.39	2.50	2.66	2.72
48N	5.64	5.22	4.69	4.05	3.35	2.63	1.97	1.55	1.50	1.35	2.37	2.65	2.48	2.05	1.77	1.78	1.91	1.99
44N	5.07	4.59	3.93	3.23	2.42	1.61	0.88	0.35	0.20	0.51	1.03	1.27	0.94	0.29	-0.15	-0.15	0.10	0.35
40N	3.96	3.63	3.22	2.60	1.90	1.17	0.44	-0.23	-0.73	-0.91	-0.33	-0.88	-1.29	-1.36	-2.16	-2.06	-1.76	-1.40
36N	2.25	2.31	2.26	2.07	1.77	1.35	0.79	0.02	-0.53	-1.01	-2.43	-2.82	-3.09	-3.18	-3.08	-2.92	-2.80	-2.55
32N	0.11	0.50	0.92	1.34	1.77	1.77	1.53	0.80	-0.45	-1.87	-2.66	-3.59	-3.39	-2.59	-2.10	-2.08	-2.43	-2.50
28N	-1.84	-1.46	-0.97	-0.07	0.76	1.41	1.57	1.26	0.19	-1.15	-2.26	-2.55	-1.71	-0.30	0.62	0.42	-0.36	-0.76
24N	-3.15	-3.13	-2.79	-1.99	-0.87	0.34	1.23	1.41	0.89	0.07	-0.50	-0.23	1.11	2.87	3.90	3.69	2.89	2.40
20N	-3.87	-4.22	-4.23	-3.56	-2.17	-0.40	1.21	2.13	2.26	2.00	1.97	2.71	4.28	5.99	6.96	6.93	6.49	6.09
16N	-3.83	-4.33	-4.63	-4.06	-2.49	-0.23	1.91	3.55	4.38	4.65	4.99	5.92	7.32	8.54	9.17	9.34	9.35	9.05
12N	-2.59	-3.12	-3.42	-2.92	-1.50	0.52	2.75	4.80	6.24	6.97	7.45	8.10	8.75	8.97	8.90	9.04	9.33	9.04
8N	-0.81	-1.31	-1.62	-1.26	-0.26	1.10	2.80	4.81	6.59	7.61	7.99	8.08	7.74	5.89	5.12	6.10	6.49	6.22
4N	-0.37	-0.76	-1.04	-0.60	-0.15	0.68	1.78	3.31	4.84	5.77	6.00	5.77	5.03	3.85	2.91	2.77	3.99	2.92
0	-1.55	-1.62	-1.65	-1.49	-1.04	-0.46	0.14	0.35	1.62	2.13	2.25	2.07	1.60	0.86	0.18	-0.07	0.04	-0.04
4S	-3.03	-2.74	-2.55	-2.47	-2.20	-1.73	-1.53	-1.49	-1.48	-1.49	-1.50	-1.68	-1.76	-1.95	-2.27	-2.53	-2.55	-2.48
8S	-3.65	-3.24	-2.93	-3.07	-3.06	-2.96	-2.61	-2.57	-2.80	-3.29	-3.84	-4.13	-4.27	-4.34	-4.46	-4.51	-4.33	-3.98
12S	-2.93	-2.75	-2.84	-3.23	-3.67	-3.73	-3.46	-3.07	-3.16	-3.84	-4.63	-5.11	-5.34	-5.52	-5.56	-5.57	-5.13	-4.43
16S	-1.27	-1.45	-1.97	-2.82	-3.67	-4.04	-3.76	-3.23	-3.27	-3.84	-4.45	-4.73	-4.87	-5.07	-5.24	-5.15	-4.69	-3.92
20S	0.81	0.38	-0.40	-1.43	-2.35	-2.72	-2.48	-2.08	-7.09	-2.53	-2.95	-3.09	-3.18	-3.32	-3.37	-3.16	-2.66	-1.90
24S	3.05	2.53	1.75	0.83	0.26	0.08	0.26	0.44	0.33	-0.01	-0.29	-0.43	-0.53	-0.53	-0.30	0.18	0.91	1.51
28S	5.38	4.91	4.31	3.87	3.71	3.73	3.79	3.71	3.51	3.27	3.13	3.01	2.98	3.19	3.70	4.14	5.21	5.79
32S	7.99	7.68	7.35	7.33	7.51	7.59	7.45	7.19	6.95	6.34	6.34	6.89	7.08	7.49	8.11	8.35	9.42	9.73
36S	10.76	10.60	10.55	10.78	11.10	11.13	10.87	10.56	10.37	10.33	10.44	10.65	11.00	11.47	11.96	12.36	12.50	12.46
40S	13.10	13.03	13.15	13.53	13.91	13.97	13.75	13.52	13.44	13.44	13.50	13.79	14.08	14.42	14.68	14.72	14.50	14.23
44S	14.66	14.63	14.83	15.30	15.77	15.94	15.85	15.74	15.71	15.71	15.73	15.83	15.99	16.12	16.19	16.00	15.63	15.28
48S	15.38	15.42	15.67	16.17	16.63	16.97	16.97	16.86	16.74	16.52	16.53	16.45	16.40	16.40	16.37	16.18	15.85	15.54
52S	14.78	14.98	15.30	15.72	16.13	16.37	16.32	16.03	15.64	15.22	14.38	14.66	14.56	14.56	14.52	14.38	14.15	13.89
56S	11.97	12.31	12.68	12.99	13.22	13.34	13.20	12.78	12.16	11.49	10.96	10.65	10.54	10.51	10.41	10.22	10.00	9.73
60S	7.17	7.45	7.73	8.01	8.13	8.20	8.12	7.79	7.25	6.64	6.14	5.80	5.58	5.41	5.17	4.90	4.65	4.39
64S	1.80	1.84	1.98	2.11	2.17	2.25	2.33	2.29	2.10	1.85	1.63	1.37	0.98	0.63	0.27	-0.03	-0.24	-0.42
68S	-2.17	-2.45	-2.59	-2.65	-2.66	-2.57	-2.35	-2.08	-1.83	-1.60	-1.52	-1.67	-2.02	-2.46	-2.83	-3.04	-3.12	-3.13
72S	-2.97	-3.37	-3.71	-3.97	-4.13	-4.14	-3.94	-3.50	-3.11	-2.65	-2.34	-2.33	-2.54	-2.87	-3.11	-3.18	-3.11	-2.95
76S	-2.92	-2.28	-2.59	-2.91	-3.15	-3.24	-3.15	-2.88	-2.51	-2.10	-1.77	-1.66	-1.70	-1.73	-1.87	-1.85	-1.72	-1.53
80S	-1.36	-1.40	-1.53	-1.71	-1.35	-1.90	-1.86	-1.72	-1.50	-1.22	-0.97	-0.84	-0.77	-0.71	-0.70	-0.66	-0.58	-0.43
84S	-0.57	-0.42	-0.35	-0.32	-0.29	-0.26	-0.19	-0.11	-0.01	0.14	0.27	0.36	0.42	0.43	0.51	0.51	0.49	0.43
88S	1.45	1.64	1.82	1.95	2.05	2.13	2.22	2.24	2.26	2.30	2.31	2.30	2.25	2.19	2.13	2.02	1.86	1.67

Table 5.17--Continued

	92.5E	97.5E	102.5E	107.5E	112.5E	117.5E	122.5E	127.5E	132.5E	137.5E	142.5E	147.5E	152.5E	157.5E	162.5E	167.5E	172.5E	177.5E
88N	-0.44	-0.45	-0.47	-0.49	-0.52	-0.55	-0.58	-0.63	-0.65	-0.69	-0.68	-0.68	-0.68	-0.68	-0.68	-0.65	-0.61	-0.54
84N	0.41	0.50	0.53	0.51	0.48	0.43	0.36	0.25	0.15	0.04	-0.12	-0.24	-0.24	-0.24	-0.24	-0.24	-0.21	-0.14
80N	1.22	1.29	1.36	1.40	1.39	1.35	1.29	1.19	0.93	0.80	0.67	0.48	0.56	0.56	0.48	0.47	0.52	0.61
76N	1.66	1.70	1.76	1.79	1.84	1.86	1.88	1.88	1.82	1.62	1.48	1.35	1.35	1.35	1.25	1.25	1.33	1.44
72N	1.58	1.56	1.59	1.63	1.77	1.86	1.98	2.09	2.13	2.21	2.02	1.88	1.88	1.88	1.76	1.74	1.81	1.91
68N	1.31	1.25	1.24	1.26	1.31	1.47	1.60	1.76	1.94	2.06	1.96	1.73	1.73	1.73	1.50	1.50	1.52	1.57
64N	1.39	1.32	1.23	1.13	0.96	0.93	0.96	1.07	1.24	1.41	1.45	1.49	1.45	1.28	1.06	0.92	0.88	0.91
60N	1.89	1.78	1.56	1.26	0.92	0.63	0.45	0.38	0.42	0.53	0.79	0.98	1.08	1.05	0.95	0.89	0.91	1.01
56N	2.47	2.30	1.95	1.45	0.92	0.49	0.24	0.13	0.24	0.42	0.65	0.94	1.24	1.47	1.66	1.87	2.09	2.34
52N	2.67	2.48	2.12	1.62	1.09	0.74	0.64	0.74	0.93	1.14	1.37	1.69	2.15	2.63	3.28	3.89	4.40	4.85
48N	1.99	1.91	1.78	1.62	1.51	1.58	1.85	2.23	2.55	2.77	2.94	3.20	3.67	4.40	5.30	6.18	6.85	7.27
44N	0.54	0.71	0.96	1.34	1.89	2.57	3.25	3.82	4.20	4.39	4.50	4.68	5.10	5.82	6.68	7.46	7.92	7.97
40N	-0.99	-0.51	0.07	0.88	1.94	3.06	3.98	4.61	4.96	5.10	5.18	5.34	5.71	6.22	6.74	7.09	7.11	6.72
36N	-2.01	-1.30	-0.50	0.50	1.75	2.98	3.90	4.44	4.67	4.75	4.84	5.00	5.24	5.45	5.46	5.25	4.83	4.20
32N	-2.01	-1.22	-0.38	0.51	1.56	2.56	3.23	3.54	3.59	3.59	3.66	3.78	3.81	3.51	3.13	2.50	1.88	1.35
28N	-0.46	0.20	0.81	1.27	1.73	2.17	2.37	2.32	2.15	2.04	2.05	2.03	1.79	1.25	0.48	-0.31	-0.87	-1.19
24N	2.44	2.70	2.77	2.55	2.22	1.90	1.52	1.07	0.66	0.43	0.32	0.12	-0.35	-1.06	-1.91	-2.59	-3.20	-3.48
20N	5.74	5.34	4.71	3.79	2.73	1.67	0.71	-0.11	-0.77	-1.17	-1.42	-1.80	-2.39	-3.15	-3.96	-4.66	-5.21	-5.61
16N	8.20	7.02	5.81	4.48	2.99	1.43	0.35	-1.06	-1.93	-2.53	-2.97	-3.49	-4.13	-4.81	-5.46	-6.02	-6.55	-7.07
12N	7.81	6.23	4.97	3.88	2.61	1.14	-0.23	-1.39	-2.31	-3.05	-3.65	-4.24	-4.86	-5.37	-5.74	-6.04	-6.38	-6.77
8N	5.02	3.71	2.98	2.54	1.87	0.91	-0.09	-1.00	-1.82	-2.54	-3.16	-3.75	-4.36	-4.77	-4.92	-5.00	-5.13	-5.26
4N	2.08	1.31	1.14	1.14	0.82	0.25	-0.32	-0.89	-1.50	-2.05	-2.60	-3.18	-3.85	-4.33	-4.44	-4.42	-4.47	-4.55
0	-0.45	-0.73	-0.60	-0.49	-0.75	-1.13	-1.37	-1.59	-1.92	-2.30	-2.70	-3.26	-4.01	-4.61	-4.76	-4.68	-4.71	-4.95
4S	-2.49	-2.40	-2.14	-2.06	-2.33	-2.64	-2.76	-2.80	-2.90	-2.99	-3.12	-3.51	-4.21	-4.87	-5.10	-5.03	-5.12	-5.54
8S	-3.69	-3.47	-3.25	-3.19	-3.39	-3.81	-4.22	-4.46	-4.46	-4.16	-3.72	-3.54	-3.85	-4.40	-4.66	-4.72	-4.99	-5.53
12S	-3.95	-3.66	-3.46	-3.22	-3.13	-3.56	-4.36	-5.04	-5.18	-4.61	-3.54	-2.56	-2.13	-2.14	-2.25	-2.36	-2.67	-3.11
16S	-3.18	-2.72	-2.41	-1.98	-1.57	-1.73	-2.52	-3.39	-3.76	-3.23	-2.10	-0.72	0.36	0.97	1.27	1.35	1.28	1.17
20S	-1.10	-0.55	-0.25	0.08	0.54	0.69	0.29	-0.36	-0.78	-0.63	0.12	1.24	2.41	3.35	3.98	4.31	4.49	4.67
24S	2.19	2.63	2.74	2.75	2.95	3.28	3.39	3.19	2.87	2.56	2.71	3.13	3.92	4.81	5.52	5.99	6.31	6.57
28S	6.19	6.32	6.15	5.80	5.64	5.37	5.21	6.28	6.02	5.51	4.96	4.68	4.90	5.46	6.01	6.43	6.71	6.93
32S	9.79	9.62	9.29	8.80	8.38	8.27	8.08	7.59	7.59	6.85	6.03	5.45	5.29	5.43	5.67	5.95	6.23	6.51
36S	12.31	12.04	11.72	11.29	10.72	10.20	9.71	9.07	8.28	7.41	6.55	5.92	5.51	5.24	5.10	5.20	5.53	6.00
40S	14.00	13.73	13.50	13.09	12.47	11.76	11.05	10.29	9.48	8.62	7.78	7.04	6.35	5.63	5.15	5.00	5.27	5.80
44S	15.05	14.87	14.61	14.20	13.64	13.00	12.41	11.86	11.29	10.60	9.83	9.00	8.07	7.11	6.29	5.88	5.95	6.30
48S	15.33	15.12	14.84	14.51	14.14	13.82	13.55	13.34	13.09	12.67	12.09	11.33	10.39	9.41	8.56	8.01	7.81	7.81
52S	13.64	13.42	13.25	13.18	13.13	13.25	13.32	13.41	13.45	13.35	13.11	12.70	12.13	11.53	11.00	10.57	10.24	9.97
56S	9.45	9.30	9.36	9.63	10.02	10.44	10.87	11.26	11.52	11.90	12.10	12.17	12.14	12.12	12.11	12.00	11.77	11.49
60S	4.15	4.09	4.31	4.77	5.39	6.10	5.83	7.53	8.23	8.89	9.48	9.95	10.32	10.77	11.23	11.49	11.54	11.44
64S	-0.57	-0.54	-0.28	0.20	0.84	1.61	2.45	3.34	4.25	5.13	5.93	6.61	7.23	7.94	8.56	9.24	9.60	9.79
68S	-3.12	-3.01	-2.79	-2.46	-2.03	-1.44	-0.75	0.32	0.83	1.65	2.44	3.14	3.82	4.56	5.30	5.98	6.51	6.90
72S	-2.78	-2.61	-2.46	-2.31	-2.12	-1.90	-1.59	-1.21	-0.76	-0.25	0.29	0.82	1.35	1.84	2.37	2.81	3.19	3.47
76S	-1.34	-1.20	-1.12	-1.14	-1.11	-1.14	-1.01	-0.82	-0.60	-0.37	-0.15	0.02	0.39	0.02	0.39	0.10	0.08	0.04
80S	-0.40	-0.37	-0.41	-0.53	-0.68	-0.84	-0.99	-1.10	-1.17	-1.21	-1.25	-1.31	-1.42	-1.60	-1.39	-2.25	-2.60	-2.92
84S	0.36	0.27	0.09	-0.12	-0.33	-0.56	-0.80	-1.01	-1.23	-1.46	-1.69	-1.99	-2.33	-2.72	-3.18	-3.68	-4.15	-4.57
88S	1.47	1.28	1.02	0.75	0.48	0.19	-0.11	-0.39	-0.69	-1.02	-1.34	-1.67	-2.02	-2.40	-2.78	-3.16	-3.52	-3.85

Table 5.18

JULY 800-mb MERIDIONAL GEOSTROPHIC (m/sec)

	177.5W	172.5W	167.5W	162.5W	157.5W	152.5W	147.5W	142.5W	137.5W	132.5W	127.5W	122.5W	117.5W	112.5W	107.5W	102.5W	97.5W	92.5W
88N	0.82	0.89	0.92	0.99	1.02	1.04	1.06	1.05	1.02	0.97	0.93	0.90	0.84	0.79	0.76	0.73	0.69	0.62
84N	0.89	0.99	1.06	1.13	1.14	1.13	1.11	1.05	0.95	0.85	0.77	0.67	0.58	0.49	0.45	0.43	0.41	0.41
80N	1.06	1.20	1.29	1.32	1.28	1.18	1.06	0.91	0.73	0.55	0.38	0.20	0.04	-0.13	-0.20	-0.25	-0.25	-0.17
76N	1.30	1.46	1.53	1.52	1.42	1.24	1.00	0.73	0.44	0.15	-0.11	-0.36	-0.59	-0.80	-0.97	-1.10	-1.11	-0.96
72N	1.49	1.64	1.71	1.70	1.60	1.38	1.05	0.65	0.22	-0.18	-0.54	-0.84	-1.12	-1.39	-1.65	-1.88	-1.97	-1.82
68N	1.50	1.64	1.77	1.85	1.82	1.55	1.32	0.84	0.28	-0.29	-0.76	-1.12	-1.41	-1.69	-2.00	-2.33	-2.55	-2.51
64N	1.43	1.59	1.81	1.97	2.01	1.94	1.71	1.26	0.59	-0.16	-0.80	-1.21	-1.46	-1.66	-1.98	-2.40	-2.77	-2.86
60N	1.46	1.67	1.91	2.07	2.10	2.07	1.96	1.59	0.89	0.10	-0.76	-1.19	-1.34	-1.43	-1.71	-2.19	-2.65	-2.86
56N	1.69	1.92	2.10	2.12	2.01	1.96	1.90	1.59	0.90	-0.03	-0.79	-1.10	-1.08	-1.05	-1.31	-1.77	-2.21	-2.48
52N	2.12	2.30	2.28	2.04	1.71	1.55	1.46	1.15	0.42	-0.43	-1.03	-1.02	-0.76	-0.66	-0.85	-1.23	-1.55	-1.80
48N	2.46	2.46	2.18	1.70	1.23	0.99	0.83	0.39	-0.51	-1.40	-1.61	-1.09	-0.50	-0.33	-0.42	-0.62	-0.76	-0.95
44N	2.35	2.15	1.72	1.17	0.75	0.57	0.36	-0.29	-1.49	-2.49	-2.39	-1.34	-0.35	-0.09	0.02	0.08	0.11	-0.04
40N	1.82	1.54	1.14	0.70	0.43	0.38	0.18	-0.70	-2.23	-3.41	-3.13	-1.61	-0.23	0.33	0.57	0.85	0.98	0.79
36N	1.14	0.88	0.61	0.37	0.28	0.36	0.12	-0.93	-2.67	-3.97	-3.59	-1.77	-0.09	0.71	1.15	1.59	1.73	1.46
32N	0.60	0.43	0.27	0.15	0.21	0.34	0.07	-1.10	-2.88	-4.13	-3.66	-1.74	0.09	1.07	1.66	2.17	2.29	1.95
28N	0.42	0.24	0.13	-0.06	0.03	0.21	-0.07	-1.25	-2.87	-3.85	-3.34	-1.61	0.09	1.16	1.90	2.48	2.63	2.34
24N	0.28	0.12	-0.20	-0.39	-0.25	-0.01	-0.27	-1.32	-2.63	-3.29	-2.84	-1.57	-0.22	0.89	1.84	2.57	2.83	2.66
20N	-0.23	-0.05	-0.41	-0.63	-0.49	-0.23	-0.43	-1.28	-2.24	-2.64	-2.35	-1.64	-0.69	0.44	1.51	2.51	2.87	2.76
16N	-0.00	-0.23	-0.58	-0.80	-0.65	-0.38	-0.48	-1.08	-1.72	-1.94	-1.87	-1.67	-1.10	-0.04	1.24	2.21	2.53	2.47
12N	-0.29	-0.43	-0.71	-0.84	-0.62	-0.32	-0.30	-0.65	-1.03	-1.17	-1.26	-1.36	-1.11	-0.33	0.73	1.49	1.66	1.56
8N	-0.48	-0.61	-0.81	-0.75	-0.55	0.07	0.20	-0.01	-0.31	-0.52	-0.63	-0.71	-0.65	-0.30	0.24	0.55	0.38	0.32
4N	-0.48	-0.63	-0.74	-0.55	-0.10	0.26	0.34	0.19	-0.04	-0.26	-0.39	-0.41	-0.35	-0.19	0.07	0.20	0.05	0.05
0	-0.43	-0.49	-0.41	-0.21	-0.04	-0.06	-0.24	-0.35	-0.31	-0.35	-0.59	-0.73	-0.57	-0.23	0.18	0.64	1.00	1.11
4S	-0.46	-0.36	-0.31	0.29	0.13	-0.37	-0.91	-1.03	-0.74	-0.63	-0.99	-1.26	-0.95	-0.36	0.27	1.17	2.16	2.49
8S	-0.74	-0.41	0.36	0.94	0.74	-0.14	-1.04	-1.30	-1.06	-1.04	-1.52	-1.68	-1.22	-0.60	0.05	1.21	2.63	3.42
12S	-1.03	-0.44	0.65	1.48	1.31	0.25	-0.82	-1.12	-1.04	-1.37	-1.96	-1.99	-1.42	-0.96	-0.49	0.63	2.19	3.47
16S	-1.00	-0.28	0.78	1.49	1.24	0.19	-0.78	-0.93	-0.82	-1.31	-2.08	-2.15	-1.62	-1.32	-1.08	-0.13	1.34	2.78
20S	-0.72	-0.11	0.62	1.04	0.77	-0.12	-0.91	-0.91	-0.67	-1.13	-1.93	-2.07	-1.67	-1.56	-1.47	-0.71	0.48	1.78
24S	-0.39	-0.01	0.29	0.41	0.23	-0.40	-1.05	-1.05	-0.69	-0.90	-1.65	-1.81	-1.60	-1.61	-1.59	-1.35	-0.20	0.80
28S	-0.11	0.05	-0.01	-0.07	-0.09	-0.46	-1.08	-1.19	-0.81	-0.87	-1.38	-1.56	-1.48	-1.49	-1.47	-1.18	-0.68	0.01
32S	0.11	0.18	-0.06	-0.21	-0.12	-0.29	-0.84	-1.06	-0.74	-0.81	-1.23	-1.44	-1.38	-1.27	-1.21	-1.13	-1.04	-0.62
36S	0.46	0.43	0.10	-0.09	0.02	-0.04	-0.40	-0.71	-0.61	-0.71	-1.12	-1.35	-1.28	-1.03	-0.97	-1.10	-1.22	-1.05
40S	0.97	0.80	0.40	0.19	0.26	0.21	-0.15	-0.42	-0.44	-0.57	-0.90	-1.13	-1.14	-0.94	-1.35	-0.95	-1.15	-1.15
44S	1.45	1.21	0.82	0.60	0.58	0.44	0.07	-0.26	-0.34	-0.40	-0.61	-0.83	-0.97	-0.97	-0.81	-0.74	-0.82	-0.91
48S	1.77	1.52	1.23	1.06	0.94	0.71	0.22	-0.19	-0.29	-0.27	-0.57	-0.83	-0.83	-0.97	-0.81	-0.51	-0.37	-0.47
52S	1.73	1.55	1.39	1.33	1.35	1.01	0.38	-0.15	-0.29	-0.28	-0.34	-0.49	-0.75	-0.89	-0.71	-0.30	-0.07	-0.21
56S	1.40	1.30	1.23	1.43	1.49	1.17	0.48	-0.12	-0.33	-0.36	-0.43	-0.51	-0.61	-0.65	-0.49	-0.19	-0.08	-0.35
60S	1.10	1.03	1.07	1.23	1.30	1.02	0.40	-0.18	-0.40	-0.47	-0.54	-0.53	-0.47	-0.43	-0.34	-0.26	-0.38	-0.81
64S	1.11	0.90	0.80	0.82	0.80	0.56	0.04	-0.43	-0.64	-0.74	-0.79	-0.72	-0.58	-0.43	-0.45	-0.55	-0.38	-1.46
68S	1.57	1.06	0.61	0.31	0.06	-0.25	-0.67	-1.05	-1.25	-1.37	-1.43	-1.36	-1.19	-1.03	-0.89	-1.13	-1.49	-2.05
72S	2.45	1.52	0.62	-0.12	-0.71	-1.21	-1.69	-2.05	-2.28	-2.44	-2.55	-2.51	-2.32	-2.07	-1.80	-1.37	-2.00	-2.27
76S	3.30	2.08	0.83	-0.25	-1.13	-1.88	-2.52	-2.99	-3.27	-3.46	-3.51	-3.59	-3.37	-3.07	-2.75	-2.46	-2.25	-2.10
80S	3.68	2.47	1.18	-0.00	-0.99	-1.35	-2.63	-3.21	-3.55	-3.77	-3.92	-3.92	-3.74	-3.47	-3.13	-2.71	-2.25	-1.83
84S	3.51	2.53	1.54	0.54	-0.32	-1.08	-1.63	-2.43	-2.83	-3.10	-3.28	-3.34	-3.27	-3.15	-2.83	-2.63	-2.16	-1.75
88S	2.73	2.25	1.70	1.12	0.61	0.12	-0.39	-0.83	-1.19	-1.51	-1.78	-1.97	-2.12	-2.27	-2.38	-2.39	-2.32	-2.28

Table 5.18---Continued

	87.5W	82.5W	77.5W	72.5W	67.5W	62.5W	57.5W	52.5W	47.5W	42.5W	37.5W	32.5W	27.5W	22.5W	17.5W	12.5W	7.5W	2.5W
88N	0.57	0.55	0.50	0.43	0.36	0.25	0.13	0.02	-0.08	-0.20	-0.33	-0.46	-0.58	-0.67	-0.78	-0.88	-0.95	-1.00
84N	0.47	0.55	0.60	0.64	0.53	0.64	0.53	0.39	0.21	0.00	-0.26	-0.54	-0.79	-0.93	-1.14	-1.25	-1.30	-1.30
80N	0.00	0.24	0.48	0.72	0.97	1.14	1.19	1.10	0.86	0.49	-0.00	-0.53	-0.95	-1.25	-1.42	-1.43	-1.34	-1.19
76N	-0.70	-0.33	0.10	0.58	1.06	1.43	1.75	1.73	1.50	0.97	0.23	-0.53	-1.08	-1.43	-1.49	-1.36	-1.06	-0.73
72N	-1.50	-1.35	-0.47	0.19	0.84	1.47	1.95	2.12	1.87	1.20	0.28	-0.58	-1.15	-1.36	-1.27	-0.93	-0.47	-0.01
68N	-2.22	-1.73	-1.08	-0.35	0.40	1.12	1.71	1.98	1.78	1.10	0.20	-0.57	-0.99	-0.93	-0.68	-0.23	0.25	0.69
64N	-2.68	-2.24	-1.57	-0.79	0.02	0.76	1.34	1.63	1.52	0.99	0.24	-0.36	-0.59	-0.42	-0.04	0.38	0.77	1.10
60N	-2.83	-2.56	-1.93	-1.04	-0.12	0.63	1.17	1.51	1.50	1.13	0.54	0.03	-0.18	-0.05	0.23	0.55	0.90	1.20
56N	-2.66	-2.63	-2.12	-1.14	-0.08	0.33	1.31	1.70	1.78	1.53	1.01	0.43	0.04	-0.06	0.02	0.26	0.66	1.08
52N	-2.15	-2.42	-2.12	-1.14	0.07	1.33	1.70	2.15	2.29	2.07	1.48	0.66	-0.05	-0.43	-0.60	-0.39	0.16	0.77
48N	-1.37	-1.85	-1.81	-0.93	0.34	1.42	2.18	2.62	2.69	2.35	1.60	0.54	-0.43	-1.08	-1.33	-1.10	-0.42	0.33
44N	-0.48	-1.03	-1.16	-0.44	0.75	1.82	2.52	2.80	2.66	2.13	1.23	0.10	-0.91	-1.57	-1.32	-1.57	-0.82	-0.08
40N	0.35	-0.16	-0.33	0.21	1.22	2.14	2.63	2.62	2.19	1.48	0.55	-0.51	-1.40	-1.93	-2.06	-1.71	-0.96	-0.30
36N	1.02	0.64	0.52	0.89	1.63	2.28	2.47	2.15	1.44	0.59	-0.31	-1.22	-1.92	-2.27	-2.17	-1.61	-0.83	-0.26
32N	1.54	1.31	1.25	1.44	1.84	2.15	2.07	1.50	0.63	-0.26	-1.87	-1.87	-2.45	-2.62	-2.24	-1.42	-0.53	-0.01
28N	1.99	1.81	1.75	1.75	1.74	1.74	1.47	0.86	0.36	-0.72	-1.49	-2.22	-2.78	-2.90	-2.33	-1.23	-0.27	0.27
24N	2.37	2.24	2.17	1.96	1.63	1.27	0.87	0.39	-0.16	-0.74	-1.41	-2.15	-2.80	-3.01	-2.40	-1.24	-0.18	0.36
20N	2.59	2.72	2.81	2.38	1.64	0.98	0.50	0.15	-0.13	-0.50	-1.06	-1.83	-2.64	-3.00	-2.45	-1.28	-0.24	0.24
16N	2.57	3.24	3.68	3.06	1.83	0.88	0.38	0.19	0.39	-0.14	-0.62	-1.41	-2.36	-2.37	-2.41	-1.30	-0.34	0.00
12N	2.10	3.51	4.39	3.60	1.95	0.81	0.45	0.43	0.43	0.22	-0.24	-0.99	-1.89	-2.33	-2.03	-1.12	-0.34	-0.17
8N	1.41	3.47	4.58	3.59	1.70	0.62	0.51	0.71	0.81	0.60	0.36	-0.66	-1.35	-1.64	-1.39	-0.76	-0.20	-0.24
4N	1.03	2.66	3.48	2.74	1.29	0.35	0.13	0.29	0.54	0.55	0.21	-0.37	-0.90	-1.00	-0.39	-0.44	-0.08	-0.19
0	1.06	1.34	1.16	1.29	0.98	0.05	-0.84	-1.06	-0.68	-0.15	0.14	-0.00	-0.49	-0.30	-0.03	-0.26	-0.04	0.02
4S	1.54	-0.08	-0.77	0.05	0.69	-0.33	-2.39	-2.73	-2.16	-1.38	-0.05	0.34	-0.08	-0.56	-0.49	-0.18	-0.01	0.30
8S	2.76	0.84	-0.54	-0.13	0.39	-1.11	-3.39	-4.21	-3.40	-1.87	-0.30	0.58	0.36	-0.27	-0.46	-0.22	0.07	0.62
12S	3.82	2.70	1.04	0.58	0.37	-1.71	-4.44	-5.32	-4.24	-2.42	-0.57	0.65	0.76	0.14	-0.30	-0.16	0.26	0.90
16S	3.78	3.45	2.06	1.36	0.78	-1.75	-4.89	-5.84	-4.57	-2.81	-0.75	0.58	0.97	0.55	0.05	0.08	0.43	0.99
20S	3.01	3.24	2.42	1.97	1.33	-1.39	-4.66	-5.59	-4.24	-2.35	-0.76	0.40	0.94	0.77	0.34	0.23	0.43	0.84
24S	1.90	2.38	2.19	2.28	1.84	-0.78	-3.90	-4.63	-3.36	-1.78	-0.68	0.14	0.68	0.74	0.47	0.28	0.23	0.53
28S	0.78	1.21	1.50	2.23	2.20	-0.08	-2.81	-3.40	-2.28	-1.13	-0.59	-0.14	0.29	0.52	0.48	0.26	0.12	0.23
32S	-0.16	0.10	0.65	1.87	2.31	0.55	-1.69	-2.14	-1.30	-0.67	-0.46	-0.29	0.01	0.32	0.43	0.26	0.04	0.08
36S	-0.81	-0.67	-0.02	1.39	2.11	0.91	-3.76	-1.05	-0.43	-0.12	-0.16	-0.15	0.01	0.27	0.42	0.28	0.05	0.01
40S	-1.10	-1.02	-0.39	0.90	1.70	1.02	-3.03	-0.10	0.39	0.53	0.37	0.24	0.23	0.35	0.47	0.35	0.11	-0.03
44S	-1.02	-1.02	-0.55	0.44	1.22	1.04	0.57	0.72	1.14	1.21	1.00	0.78	0.62	0.57	0.50	0.47	0.19	-0.04
48S	-0.70	-0.83	-0.60	0.09	0.85	1.12	1.10	1.35	1.73	1.83	1.68	1.46	1.21	1.00	0.87	0.66	0.33	-0.02
52S	-0.54	-0.90	-0.74	-0.22	0.58	1.13	1.44	1.71	2.15	2.44	2.46	2.35	2.10	1.74	1.38	1.03	0.64	0.19
56S	-0.81	-1.18	-1.22	-0.77	0.10	0.94	1.44	1.91	2.55	3.12	3.37	3.34	3.07	2.55	1.95	1.48	1.08	0.63
60S	-1.41	-1.90	-2.02	-1.58	-0.63	0.43	1.29	2.11	3.03	3.80	4.14	4.05	3.63	2.91	2.14	1.61	1.29	1.00
64S	-2.14	-2.67	-2.79	-2.31	-1.27	0.01	1.25	2.42	3.49	4.25	4.48	4.15	3.44	2.50	1.53	1.10	0.92	0.93
68S	-2.65	-3.06	-3.05	-2.47	-1.34	0.11	1.57	2.85	3.79	4.27	4.14	3.42	2.38	1.27	0.34	-0.15	-0.14	0.21
72S	-2.52	-2.59	-2.33	-1.62	-0.52	0.79	2.05	3.01	3.51	3.50	2.93	1.91	0.71	-0.43	-1.30	-1.71	-1.58	-1.03
76S	-1.92	-1.63	-1.14	-0.43	0.43	1.31	2.04	2.44	2.44	2.05	1.25	0.21	-0.90	-1.90	-2.58	-2.86	-2.70	-2.17
80S	-1.44	-1.00	-0.50	0.03	0.54	0.95	1.15	1.08	0.77	0.29	-0.42	-1.27	-2.12	-2.86	-3.32	-3.44	-3.25	-2.85
84S	-1.44	-1.15	-0.85	-0.60	-0.42	-0.37	-0.54	-0.85	-1.20	-1.55	-1.98	-2.50	-2.93	-3.39	-3.62	-3.60	-3.37	-3.08
88S	-2.27	-2.29	-2.31	-2.32	-2.34	-2.43	-2.62	-2.73	-2.93	-3.04	-3.15	-3.28	-3.35	-3.39	-3.38	-3.24	-3.00	-2.76

Table 5.18—Continued

	2.5E	7.5E	12.5E	17.5E	22.5E	27.5E	32.5E	37.5E	42.5E	47.5E	52.5E	57.5E	62.5E	67.5E	72.5E	77.5E	82.5E	87.5E
88N	-1.06	-1.29	-1.38	-1.08	-1.07	-1.34	-1.00	-0.93	-0.85	-0.77	-0.71	-0.66	-0.58	-0.51	-0.45	-0.40	-0.37	-0.32
84N	-1.30	-1.26	-1.17	-1.11	-1.05	-0.99	-0.90	-0.77	-0.64	-0.52	-0.41	-0.26	-0.11	0.01	0.12	0.19	0.22	0.21
80N	-1.05	-0.92	-0.77	-0.70	-0.65	-0.65	-0.65	-0.61	-0.54	-0.47	-0.34	-0.14	0.06	0.25	0.40	0.52	0.59	0.53
76N	-0.43	-0.20	-0.05	0.02	-0.01	-0.14	-0.29	-0.41	-0.48	-0.50	-0.42	-0.24	-0.02	0.19	0.38	0.54	0.66	0.69
72N	0.38	0.67	0.82	0.85	0.74	0.47	0.15	-0.13	-0.37	-0.54	-0.58	-0.46	-0.35	-0.19	0.00	0.21	0.39	0.50
68N	1.06	1.32	1.47	1.45	1.28	0.95	0.57	0.19	-0.18	-0.51	-0.71	-0.80	-0.81	-0.74	-0.58	-0.34	-0.06	0.17
64N	1.37	1.57	1.67	1.60	1.37	1.06	0.73	0.37	-0.02	-0.45	-0.81	-1.09	-1.25	-1.20	-1.02	-0.70	-0.32	-0.02
60N	1.43	1.55	1.53	1.33	1.05	0.74	0.52	0.29	-0.02	-0.44	-0.92	-1.34	-1.57	-1.44	-1.14	-0.70	-0.26	0.01
56N	1.33	1.37	1.16	0.79	0.41	0.14	0.03	-0.00	-0.12	-0.44	-0.99	-1.52	-1.76	-1.54	-1.00	-0.43	-0.01	0.14
52N	1.10	1.07	0.69	0.12	-0.36	-0.62	-0.59	-0.36	-0.20	-0.36	-0.93	-1.58	-1.38	-1.54	-0.83	-0.14	0.23	0.21
48N	0.70	0.59	0.35	-0.62	-1.16	-1.40	-1.21	-0.66	-0.08	0.04	-0.52	-1.50	-2.13	-1.90	-0.83	0.02	0.35	0.20
44N	0.20	-0.06	-0.74	-1.50	-2.04	-2.25	-1.91	-0.93	0.15	0.72	0.09	-1.45	-2.65	-2.41	-1.07	0.14	0.54	0.30
40N	-0.17	-0.62	-1.47	-2.37	-2.97	-3.14	-2.72	-1.52	0.09	1.04	0.41	-1.62	-3.32	-3.09	-1.29	0.37	0.91	0.65
36N	-0.27	-0.83	-1.74	-3.01	-3.72	-3.97	-3.59	-2.35	-0.53	0.75	0.25	-1.92	-3.38	-3.53	-1.33	0.62	1.27	1.11
32N	-0.04	-0.73	-1.92	-3.16	-4.07	-4.52	-4.43	-3.50	-1.77	-0.29	-0.50	-2.42	-4.04	-3.44	-1.18	0.69	1.38	1.52
28N	0.29	-0.31	-1.48	-2.80	-3.91	-4.63	-5.09	-4.72	-3.30	-1.60	-1.39	-2.59	-3.52	-2.74	-0.93	0.34	0.99	1.70
24N	0.41	-0.04	-1.02	-2.22	-3.38	-4.45	-5.44	-5.73	-4.67	-2.88	-1.99	-2.31	-2.45	-1.64	-0.69	-0.29	0.33	1.73
20N	0.23	-0.11	-0.80	-1.64	-2.56	-3.31	-5.45	-5.55	-5.88	-3.83	-2.23	-1.67	-1.16	-0.47	-0.41	-0.82	-0.21	1.75
16N	0.15	-0.46	-0.75	-0.99	-1.41	-2.65	-4.94	-6.36	-6.79	-4.51	-2.18	-0.82	0.12	0.57	-0.09	-1.05	-0.50	1.67
12N	-0.53	-0.87	-0.73	-0.22	0.05	-0.94	-3.55	-6.23	-6.65	-4.51	-1.81	0.01	0.98	1.09	0.12	-0.92	-0.51	1.24
8N	-0.86	-1.26	-0.71	0.47	1.26	0.58	-1.82	-4.60	-5.54	-3.97	-1.48	0.26	0.89	0.63	-0.07	-0.68	-0.41	0.56
4N	-0.74	-1.38	-0.58	0.51	1.24	0.73	-0.92	-2.84	-3.49	-2.43	-0.69	0.46	0.64	0.23	-0.31	-0.56	-0.39	0.10
0	0.00	-0.11	-0.23	-0.09	0.08	-0.21	-0.86	-1.09	-0.52	0.33	0.99	1.27	1.08	0.47	-0.20	-0.50	-0.42	-0.10
4S	0.89	1.01	0.17	-0.80	-1.25	-1.39	-1.04	0.35	2.11	2.36	2.55	2.10	1.68	0.92	0.34	-0.43	-0.46	-0.12
8S	1.53	1.72	0.47	-1.10	-1.82	-1.84	-1.04	0.96	3.01	3.55	2.94	2.39	1.98	1.18	0.18	-0.38	-0.37	0.02
12S	1.80	1.92	0.46	-1.28	-1.92	-1.72	-0.78	1.04	2.63	2.86	2.37	2.11	1.88	1.14	0.19	-0.20	-0.01	0.38
16S	1.75	1.69	0.04	-1.77	-2.20	-1.59	-0.42	1.15	2.20	2.14	1.79	1.77	1.62	0.92	0.13	0.03	0.45	0.85
20S	1.39	1.12	-0.61	-2.35	-2.48	-1.42	-0.04	1.21	1.73	1.50	1.34	1.49	1.33	0.67	0.09	0.23	0.85	1.33
24S	0.89	0.43	-1.28	-2.80	-2.62	-1.21	0.25	1.16	1.26	0.97	0.95	1.18	1.06	0.55	0.24	0.55	1.24	1.76
28S	0.41	-0.17	-1.79	-3.00	-2.53	-1.00	0.38	0.90	0.87	0.61	0.66	0.88	0.86	0.64	0.67	1.09	1.70	2.12
32S	0.12	-0.57	-1.98	-2.84	-2.26	-0.59	0.24	0.69	0.60	0.46	0.58	0.82	0.92	0.99	1.28	1.72	2.10	2.26
36S	-0.06	-0.74	-1.36	-2.43	-1.94	-0.94	-0.07	0.35	0.41	0.44	0.68	1.03	1.27	1.47	1.79	2.07	2.17	2.11
40S	-0.19	-0.77	-1.60	-1.95	-1.65	-1.04	-0.37	0.11	0.31	0.49	0.85	1.31	1.65	1.99	2.05	2.03	1.92	1.80
44S	-0.27	-0.72	-1.22	-1.40	-1.30	-1.05	-0.56	-0.02	0.28	0.54	0.97	1.43	1.88	2.11	2.07	1.75	1.50	1.45
48S	-0.33	-0.62	-0.78	-0.76	-0.83	-0.92	-0.63	-0.08	0.27	0.55	0.99	1.49	1.92	2.14	1.96	1.40	1.07	1.13
52S	-0.20	-0.41	-0.32	-0.16	-0.36	-0.77	-0.77	-0.39	-0.07	0.24	0.79	1.43	1.94	2.13	1.90	1.18	0.75	0.83
56S	0.22	0.04	0.15	0.29	-0.08	-0.78	-1.19	-1.16	-1.00	-0.59	0.26	1.28	2.03	2.29	1.88	1.00	0.45	0.45
60S	0.74	0.62	0.57	0.65	0.12	-0.86	-1.71	-2.14	-2.21	-1.63	-0.48	0.96	2.00	2.25	1.68	0.67	0.02	-0.01
64S	1.00	1.09	1.15	1.02	0.35	-0.83	-2.03	-2.89	-3.18	-2.54	-1.22	0.47	1.66	1.91	1.26	0.24	-0.42	-0.44
68S	0.70	1.19	1.39	1.28	0.63	-0.61	-1.95	-3.48	-3.48	-3.03	-1.72	-0.15	0.98	1.23	0.67	-0.19	-0.73	-0.68
72S	-0.26	0.49	0.99	1.07	0.58	-0.34	-1.49	-2.43	-2.86	-2.61	-1.73	-0.64	0.18	0.44	0.16	-0.32	-0.59	-0.45
76S	-1.44	-0.66	-0.04	0.22	0.06	-0.42	-1.05	-1.61	-1.88	-1.73	-1.36	-0.77	-0.30	-0.05	-0.03	-0.08	-0.01	0.24
80S	-2.34	-1.77	-1.22	-0.88	-0.76	-0.81	-0.93	-1.06	-1.10	-1.03	-0.83	-0.54	-0.28	-0.07	0.12	0.38	0.70	1.03
84S	-2.81	-2.47	-2.07	-1.71	-1.43	-1.13	-0.91	-0.66	-0.47	-0.32	-0.15	0.04	0.21	0.43	0.65	1.01	1.41	1.74
88S	-2.55	-2.32	-2.02	-1.69	-1.37	-1.04	-0.67	-0.31	-0.01	0.27	0.54	0.77	0.98	1.23	1.50	1.81	2.14	2.41

Table 5.18—Continued

	92.5E	97.5E	102.5E	107.5E	112.5E	117.5E	122.5E	127.5E	132.5E	137.5E	142.5E	147.5E	152.5E	157.5E	162.5E	167.5E	172.5E	177.5E
88N	-0.29	-0.27	-0.27	-0.25	-0.23	-0.21	-0.19	-0.16	-0.12	-0.04	0.04	0.14	0.24	0.34	0.44	0.53	0.64	0.74
84N	0.16	0.09	-0.01	-0.13	-0.25	-0.37	-0.47	-0.53	-0.55	-0.52	-0.46	-0.37	-0.21	-0.03	0.14	0.33	0.55	0.74
80N	0.50	0.37	0.19	-0.03	-0.25	-0.45	-0.64	-0.80	-0.88	-0.92	-0.92	-0.83	-0.65	-0.40	-0.10	0.24	0.56	0.84
76N	0.63	0.50	0.31	0.07	-0.17	-0.41	-0.63	-0.82	-0.97	-1.03	-1.16	-1.12	-0.95	-0.65	-0.24	0.23	0.67	1.03
72N	0.52	0.46	0.33	0.18	0.00	-0.21	-0.39	-0.55	-0.73	-0.93	-1.12	-1.21	-0.95	-0.62	-0.33	0.26	0.82	1.23
68N	0.32	0.35	0.30	0.25	0.17	0.05	-0.06	-0.15	-0.30	-0.55	-0.88	-1.17	-1.26	-1.03	-0.50	0.20	0.84	1.28
64N	0.18	0.24	0.20	0.17	0.15	0.12	0.11	0.11	0.06	-0.18	-0.61	-1.09	-1.39	-1.30	-0.78	0.01	0.75	1.21
60N	0.11	0.05	-0.09	-0.17	-0.16	-0.11	0.00	0.17	0.26	0.15	-0.29	-0.90	-1.41	-1.47	-0.97	-0.12	0.68	1.20
56N	0.02	-0.26	-0.60	-0.79	-0.75	-0.57	-0.25	0.14	0.40	0.41	0.09	-0.55	-1.16	-1.32	-0.38	-0.05	0.77	1.36
52N	-0.12	-0.66	-1.23	-1.56	-1.47	-1.05	-0.44	0.19	0.60	0.71	0.49	-0.05	-0.61	-0.76	-0.35	0.38	1.16	1.77
48N	-0.27	-0.94	-1.62	-2.00	-1.31	-1.11	-0.23	0.51	0.89	0.95	0.79	0.45	0.12	0.16	0.63	1.24	1.80	2.23
44N	-0.22	-0.88	-1.43	-1.75	-1.41	-0.54	0.40	1.01	1.19	1.10	0.94	0.82	0.83	1.15	1.73	2.15	2.30	2.36
40N	0.12	-0.43	-0.93	-0.95	-0.42	0.45	1.22	1.55	1.47	1.22	1.07	1.14	1.42	1.95	2.52	2.67	2.40	2.06
36N	0.69	0.13	-0.11	0.15	0.86	1.64	2.09	2.07	1.73	1.34	1.21	1.45	1.87	2.41	2.32	2.68	2.08	1.48
32N	1.41	1.01	0.80	1.29	2.16	2.78	2.85	2.43	1.93	1.47	1.39	1.72	2.13	2.49	2.55	2.30	1.57	0.93
28N	2.16	1.87	1.57	2.13	3.14	3.64	3.36	2.71	2.04	1.59	1.56	1.86	2.12	2.22	2.18	1.82	1.20	0.69
24N	2.80	2.55	1.97	2.43	3.55	4.07	3.59	2.76	2.07	1.53	1.68	1.86	1.89	1.75	1.54	1.42	1.01	0.62
20N	3.23	2.85	1.83	2.18	3.44	4.06	3.55	2.67	2.02	1.74	1.76	1.79	1.57	1.25	1.13	1.05	0.77	0.46
16N	3.21	2.60	1.23	1.44	2.63	3.62	3.20	2.35	1.83	1.70	1.75	1.63	1.21	0.73	0.59	0.67	0.43	0.16
12N	2.36	1.63	0.32	0.43	1.77	2.63	2.36	1.67	1.30	1.34	1.45	1.26	0.78	0.43	0.35	0.34	0.09	-0.19
8N	1.14	0.57	-0.32	-0.21	0.85	1.61	1.45	0.87	0.61	0.73	0.95	0.75	0.33	0.12	0.20	0.21	-0.09	-0.39
4N	0.45	0.22	-0.28	-0.28	0.31	0.37	0.82	0.38	0.13	0.23	0.40	0.37	0.19	0.10	0.20	0.21	-0.08	-0.36
0	0.31	0.42	0.13	-0.18	-0.14	0.11	0.27	0.15	-0.13	-0.30	-0.15	0.18	0.37	0.30	0.22	0.01	0.01	-0.25
4S	0.42	0.79	0.60	-0.04	-0.58	-0.53	-0.17	0.06	-0.25	-0.57	-0.55	0.06	0.52	0.45	0.21	0.14	0.04	-0.23
8S	0.61	1.05	0.35	-0.04	-0.95	-1.09	-0.47	0.02	-0.19	-0.63	-0.58	-0.10	0.26	0.27	0.18	0.08	-0.16	-0.54
12S	0.83	1.15	0.95	-0.00	-1.16	-1.53	-0.90	-0.16	-0.00	-0.59	0.01	0.14	0.10	0.04	0.09	-0.04	-0.49	-0.97
16S	1.13	1.29	1.10	0.27	-1.05	-1.86	-1.52	-0.61	0.09	0.50	0.99	0.96	0.54	0.19	0.10	-0.12	-0.65	-1.10
20S	1.50	1.45	1.25	0.60	-0.63	-1.85	-1.92	-1.07	0.00	1.03	1.78	1.84	1.25	0.67	0.35	0.01	-0.53	-0.90
24S	1.84	1.56	1.23	0.74	-0.29	-1.50	-1.90	-1.31	-0.22	1.02	2.05	2.38	1.94	1.28	0.76	0.30	-0.23	-0.54
28S	2.06	1.52	0.97	0.56	-0.08	-0.93	-1.51	-1.28	-0.49	0.59	1.69	2.37	2.33	1.80	1.19	0.59	0.01	-0.26
32S	1.98	1.26	0.53	0.14	-0.19	-0.72	-1.25	-1.33	-0.91	-0.10	0.98	1.94	2.31	2.04	1.45	0.79	0.19	-0.05
36S	1.69	0.90	0.12	-0.33	-0.59	-1.01	-1.50	-1.82	-1.60	-0.90	0.23	1.37	1.99	1.92	1.47	0.97	0.52	0.35
40S	1.40	0.62	-0.22	-0.82	-1.22	-1.69	-2.25	-2.58	-2.43	-1.74	-0.54	0.71	1.38	1.40	1.21	1.10	0.99	0.94
44S	1.16	0.40	-0.54	-1.36	-1.95	-2.44	-2.95	-3.28	-3.20	-2.59	-1.40	-0.15	0.44	0.50	0.55	1.04	1.38	1.50
48S	0.94	0.15	-0.93	-1.92	-2.53	-3.01	-3.41	-3.73	-3.76	-3.35	-2.35	-1.23	-0.75	-0.66	-0.17	0.72	1.49	1.83
52S	0.66	-0.13	-1.22	-2.22	-2.84	-3.21	-3.59	-3.93	-4.07	-3.85	-3.06	-2.16	-1.82	-1.67	-0.95	0.22	1.22	1.72
56S	0.34	-0.28	-1.17	-2.00	-2.56	-2.95	-3.34	-3.83	-4.05	-3.90	-3.25	-2.54	-2.28	-2.07	-1.31	-0.17	0.30	1.32
60S	0.04	-0.25	-0.73	-1.34	-1.78	-2.13	-2.66	-3.15	-3.46	-3.41	-2.92	-2.32	-2.03	-1.76	-1.07	-0.15	0.62	1.04
64S	-0.19	-0.03	-0.17	-0.37	-0.51	-0.94	-1.38	-1.86	-2.25	-2.35	-2.05	-1.50	-1.18	-0.31	-0.19	0.48	0.96	1.17
68S	-0.28	0.16	0.49	0.66	0.70	0.54	0.21	-0.22	-0.62	-0.84	-0.71	-0.31	0.17	0.70	1.76	1.97	1.91	1.91
72S	-0.02	0.56	1.03	1.46	1.68	1.67	1.47	1.18	0.88	0.73	0.85	1.26	1.85	2.52	3.11	3.46	3.49	3.14
76S	0.65	1.15	1.97	2.21	2.26	2.26	2.19	2.08	2.02	2.07	2.33	2.82	3.48	4.15	4.65	4.87	4.75	4.21
80S	1.39	1.74	2.06	2.32	2.52	2.64	2.73	2.85	3.00	3.22	3.57	4.08	4.65	5.13	5.41	5.45	5.20	4.61
84S	2.00	2.22	2.42	2.60	2.77	2.97	3.25	3.53	3.80	4.04	4.33	4.63	5.01	5.19	5.20	5.10	4.79	4.25
88S	2.60	2.73	2.95	3.09	3.21	3.37	3.59	3.75	3.86	3.98	4.06	4.14	4.16	4.09	3.97	3.80	3.52	3.16

Table 5.20

JULY 400-mb GEOPOTENTIAL HEIGHT (100 m)

	180W	175W	170W	165W	160W	155W	150W	145W	140W	135W	130W	125W	120W	115W	110W	105W	100W	95W
90N	70.53	70.53	70.53	70.53	70.53	70.53	70.53	70.53	70.53	70.53	70.53	70.53	70.53	70.53	70.53	70.53	70.53	70.53
86N	70.63	70.63	70.62	70.62	70.62	70.61	70.56	70.56	70.56	70.55	70.55	70.53	70.53	70.53	70.53	70.53	70.53	70.53
82N	70.74	70.73	70.72	70.72	70.72	70.71	70.69	70.68	70.68	70.68	70.68	70.67	70.67	70.67	70.64	70.64	70.64	70.55
78N	70.95	70.95	70.94	70.93	70.92	70.91	70.95	70.94	70.94	70.93	70.94	70.94	70.93	70.93	70.90	70.85	70.64	70.63
74N	71.31	71.29	71.28	71.26	71.24	71.25	71.32	71.32	71.32	71.33	71.34	71.33	71.33	71.33	71.30	70.85	70.85	70.80
70N	71.73	71.70	71.68	71.65	71.62	71.71	71.70	71.71	71.76	71.81	71.86	71.82	71.82	71.82	71.71	71.22	71.18	71.10
66N	72.23	72.18	72.12	72.08	72.05	72.07	72.15	72.23	72.25	72.30	72.30	72.30	72.31	72.31	72.20	71.70	71.58	71.57
62N	72.55	72.51	72.45	72.39	72.44	72.43	72.47	72.51	72.55	72.60	72.63	72.65	72.66	72.65	72.60	72.49	72.37	71.88
58N	72.78	72.75	72.73	72.68	72.73	72.73	72.73	72.73	72.79	72.85	72.90	72.97	73.03	73.04	72.94	72.83	72.76	72.76
54N	73.01	72.99	73.03	73.00	73.03	73.03	73.03	73.02	73.11	73.15	73.21	73.32	73.45	73.50	73.56	73.49	73.40	73.26
50N	73.38	73.37	73.36	73.35	73.45	73.45	73.45	73.45	73.55	73.62	73.70	73.70	73.83	73.97	74.14	74.17	74.17	73.96
46N	74.10	74.09	74.03	73.98	73.92	73.93	74.00	74.01	74.02	74.03	74.13	74.23	74.45	74.67	74.82	74.92	74.77	74.64
42N	74.82	74.74	74.57	74.42	74.38	74.38	74.48	74.50	74.51	74.57	74.64	74.77	75.05	75.29	75.36	75.45	75.38	75.27
38N	75.33	75.16	74.99	74.80	74.76	74.80	74.91	74.95	74.97	75.07	75.14	75.26	75.49	75.68	75.73	75.80	75.82	75.72
34N	75.56	75.37	75.29	75.14	75.06	75.17	75.29	75.35	75.37	75.44	75.53	75.61	75.74	75.84	75.94	75.99	76.00	75.97
30N	75.59	75.52	75.41	75.36	75.37	75.44	75.56	75.62	75.64	75.67	75.72	75.75	75.86	75.93	75.98	75.98	75.98	76.01
26N	75.58	75.43	75.45	75.45	75.53	75.59	75.67	75.73	75.75	75.77	75.81	75.83	75.85	75.92	75.93	75.92	75.91	75.89
22N	75.58	75.51	75.52	75.54	75.61	75.63	75.74	75.77	75.79	75.81	75.82	75.80	75.81	75.84	75.84	75.84	75.84	75.82
18N	75.58	75.57	75.53	75.60	75.65	75.71	75.75	75.76	75.77	75.78	75.79	75.79	75.74	75.75	75.75	75.73	75.74	75.73
14N	75.60	75.61	75.63	75.64	75.64	75.63	75.69	75.70	75.71	75.71	75.72	75.69	75.69	75.69	75.69	75.65	75.64	75.63
10N	75.66	75.62	75.63	75.63	75.63	75.63	75.63	75.64	75.64	75.64	75.65	75.65	75.66	75.66	75.66	75.65	75.64	75.63
6N	75.60	75.60	75.57	75.57	75.57	75.57	75.57	75.57	75.57	75.57	75.58	75.58	75.58	75.58	75.58	75.58	75.58	75.58
2N	75.57	75.57	75.57	75.57	75.57	75.57	75.57	75.57	75.57	75.57	75.58	75.58	75.58	75.58	75.58	75.58	75.58	75.58
2S	75.60	75.60	75.55	75.55	75.55	75.55	75.55	75.55	75.55	75.55	75.55	75.55	75.55	75.55	75.55	75.55	75.55	75.55
6S	75.71	75.71	75.71	75.71	75.71	75.71	75.71	75.71	75.71	75.71	75.71	75.71	75.71	75.71	75.71	75.71	75.71	75.71
10S	75.88	75.87	75.85	75.86	75.75	75.74	75.73	75.72	75.70	75.63	75.66	75.63	75.65	75.63	75.62	75.62	75.60	75.60
14S	75.75	75.75	75.75	75.74	75.63	75.61	75.59	75.53	75.56	75.54	75.56	75.53	75.52	75.50	75.48	75.48	75.38	75.39
18S	75.41	75.41	75.41	75.40	75.29	75.28	75.26	75.24	75.21	75.20	75.14	75.10	75.09	75.07	75.06	75.15	75.15	75.16
22S	74.83	74.33	74.83	74.82	74.76	74.75	74.69	74.72	74.65	74.63	74.60	74.58	74.49	74.47	74.45	74.36	74.49	74.90
26S	74.01	74.01	74.02	74.01	74.01	74.00	73.91	73.93	73.98	73.95	73.83	73.83	73.81	73.81	73.80	73.89	73.91	73.91
30S	72.94	72.94	72.95	72.95	72.95	72.94	72.93	72.93	72.92	72.91	72.89	72.99	72.97	73.05	73.06	73.06	73.17	73.18
34S	72.05	72.04	72.05	72.05	71.97	71.97	71.96	71.96	71.96	72.04	72.04	72.06	72.13	72.23	72.23	72.32	72.43	72.44
38S	71.41	71.36	71.35	71.30	71.21	71.20	71.20	71.14	71.20	71.24	71.24	71.30	71.34	71.44	71.45	71.55	71.66	71.67
42S	70.82	70.76	70.73	70.63	70.57	70.56	70.52	70.52	70.52	70.55	70.51	70.62	70.62	70.68	70.69	70.75	70.90	70.90
46S	70.19	70.17	70.07	69.97	69.97	69.94	69.86	69.86	69.85	69.84	69.85	69.94	69.94	69.94	69.94	69.95	70.11	70.14
50S	69.62	69.52	69.42	69.31	69.31	69.21	69.20	69.19	69.19	69.19	69.19	69.19	69.19	69.19	69.19	69.20	69.31	69.31
54S	68.89	68.79	68.69	68.58	68.50	68.39	68.30	68.30	68.30	68.30	68.29	68.29	68.29	68.29	68.29	68.37	68.40	68.40
58S	67.78	67.73	67.69	67.59	67.55	67.50	67.50	67.44	67.39	67.39	67.39	67.39	67.39	67.39	67.43	67.48	67.49	67.49
62S	66.52	66.52	66.52	66.47	66.51	66.51	66.51	66.45	66.41	66.49	66.48	66.48	66.48	66.52	66.52	66.56	66.62	66.62
66S	65.23	65.26	65.27	65.29	65.38	65.40	65.41	65.43	65.38	65.36	65.58	65.58	65.60	65.70	65.70	65.78	65.80	65.79
70S	63.89	64.20	64.02	64.13	64.14	64.24	64.25	64.35	64.46	64.56	64.66	64.66	64.76	64.86	64.96	65.06	65.16	65.16
74S	63.36	63.39	63.40	63.43	63.53	63.54	63.64	63.75	63.86	63.96	64.06	64.16	64.26	64.36	64.46	64.56	64.66	64.66
78S	63.09	63.10	63.12	63.12	63.18	63.23	63.29	63.34	63.44	63.55	63.65	63.75	63.85	63.95	64.05	64.15	64.25	64.29
82S	62.97	62.98	62.99	62.99	63.00	63.11	63.11	63.12	63.18	63.25	63.31	63.42	63.42	63.52	63.62	63.72	63.82	63.86
86S	62.94	62.95	62.95	62.96	62.96	63.05	63.05	63.05	63.18	63.25	63.31	63.42	63.42	63.52	63.62	63.72	63.82	63.86
90S	63.06	63.06	63.06	63.06	63.06	63.06	63.06	63.06	63.06	63.06	63.06	63.14	63.14	63.24	63.34	63.44	63.54	63.52

Table 5.20--Continued

	90W	85W	90W	75W	70W	55W	60W	55W	50W	45W	40W	35W	30W	25W	20W	15W	10W	5W
90N	70.53	70.53	70.53	70.53	70.53	70.53	70.53	70.53	70.53	70.53	70.53	70.53	70.53	70.53	70.53	70.53	70.53	70.53
86N	70.55	70.55	70.55	70.55	70.55	70.55	70.55	70.55	70.55	70.55	70.55	70.55	70.55	70.55	70.55	70.55	70.55	70.55
82N	70.63	70.63	70.63	70.63	70.63	70.63	70.63	70.63	70.63	70.63	70.63	70.63	70.63	70.63	70.63	70.63	70.63	70.63
78N	70.80	70.73	70.68	70.68	70.66	70.66	70.66	70.66	70.71	70.73	70.73	70.76	70.76	70.79	70.74	70.86	70.87	70.88
74N	71.06	70.94	70.85	70.83	70.77	70.78	70.81	70.81	70.84	70.84	70.88	70.92	70.92	70.96	71.01	71.03	71.06	71.07
70N	71.35	71.22	71.21	71.11	71.01	71.01	71.02	71.02	71.12	71.12	71.12	71.11	71.11	71.11	71.13	71.14	71.26	71.27
66N	71.73	71.61	71.52	71.49	71.31	71.31	71.31	71.39	71.49	71.49	71.49	71.49	71.50	71.50	71.51	71.53	71.55	71.56
62N	72.07	71.95	71.83	71.75	71.61	71.61	71.65	71.65	71.76	71.76	71.76	71.77	71.78	71.84	71.85	71.86	71.86	71.86
58N	72.52	72.35	72.15	72.03	71.92	71.92	71.92	71.98	72.09	72.14	72.25	72.24	72.30	72.35	72.36	72.35	72.34	72.34
54N	73.10	72.89	72.57	72.46	72.36	72.37	72.49	72.53	72.65	72.77	72.86	72.92	73.07	73.07	73.06	73.05	73.03	73.02
50N	73.73	73.54	73.27	73.17	73.16	73.22	73.35	73.47	73.59	73.71	73.71	73.82	73.83	73.82	73.81	73.80	73.79	73.76
46N	74.49	74.27	74.02	73.99	73.95	74.03	74.14	74.24	74.34	74.45	74.46	74.56	74.56	74.48	74.47	74.37	74.35	74.34
42N	75.13	74.97	74.85	74.85	74.83	74.85	74.92	74.97	75.00	75.04	75.05	75.09	75.10	75.06	75.03	74.95	74.92	74.86
38N	75.59	75.51	75.50	75.48	75.47	75.47	75.48	75.50	75.50	75.54	75.50	75.51	75.53	75.51	75.49	75.45	75.44	75.42
34N	75.87	75.84	75.82	75.79	75.79	75.80	75.81	75.82	75.84	75.84	75.84	75.85	75.86	75.82	75.83	75.82	75.84	75.95
30N	75.99	75.98	75.91	75.95	75.94	75.95	75.95	76.03	76.08	76.10	76.05	76.07	76.08	76.03	76.10	76.03	76.10	76.29
26N	75.87	75.89	75.90	75.93	75.95	76.01	76.07	76.12	76.14	76.15	76.15	76.17	76.18	76.14	76.13	76.05	76.15	76.33
22N	75.80	75.79	75.79	75.88	75.93	76.02	76.08	76.14	76.15	76.19	76.21	76.23	76.24	76.20	76.19	76.06	76.11	76.18
18N	75.73	75.72	75.71	75.81	75.87	75.93	76.03	76.08	76.15	76.18	76.21	76.21	76.22	76.18	76.10	75.97	75.96	75.96
14N	75.68	75.69	75.69	75.74	75.79	75.79	75.91	75.94	75.93	76.04	76.05	76.07	76.09	76.05	75.90	75.80	75.71	75.77
10N	75.65	75.65	75.60	75.68	75.72	75.72	75.73	75.74	75.74	75.82	75.82	75.83	75.84	75.79	75.72	75.69	75.69	75.67
6N	75.65	75.62	75.58	75.60	75.59	75.59	75.58	75.57	75.57	75.57	75.57	75.56	75.56	75.55	75.53	75.56	75.56	75.56
2N	75.64	75.57	75.55	75.58	75.57	75.57	75.58	75.57	75.57	75.57	75.57	75.56	75.56	75.55	75.53	75.56	75.50	75.50
2S	75.61	75.56	75.56	75.60	75.63	75.63	75.63	75.62	75.62	75.62	75.62	75.61	75.61	75.60	75.57	75.57	75.51	75.51
6S	75.54	75.56	75.60	75.61	75.71	75.71	75.71	75.62	75.57	75.57	75.57	75.57	75.57	75.57	75.57	75.57	75.58	75.58
10S	75.41	75.42	75.54	75.56	75.69	75.69	75.67	75.65	75.64	75.64	75.64	75.63	75.63	75.63	75.54	75.64	75.64	75.65
14S	75.17	75.19	75.32	75.42	75.46	75.46	75.46	75.46	75.46	75.46	75.46	75.46	75.46	75.46	75.46	75.46	75.46	75.46
18S	74.91	74.94	75.07	75.13	75.27	75.32	75.32	75.30	75.28	75.27	75.27	75.27	75.27	75.27	75.28	75.28	75.29	75.52
22S	74.51	74.57	74.70	74.77	74.96	74.96	74.98	74.91	74.90	74.92	74.92	74.91	74.92	74.92	74.92	74.93	74.89	74.90
26S	73.94	74.05	74.19	74.30	74.41	74.45	74.49	74.37	74.35	74.41	74.40	74.39	74.39	74.39	74.37	74.37	74.30	74.31
30S	73.29	73.41	73.53	73.56	73.59	73.73	73.85	73.74	73.71	73.70	73.68	73.67	73.66	73.65	73.56	73.56	73.57	73.57
34S	72.56	72.68	72.72	72.81	72.83	72.95	73.00	72.90	72.89	72.81	72.87	72.78	72.86	72.86	72.75	72.75	72.34	72.76
38S	71.85	71.90	71.97	72.08	72.10	72.16	72.17	72.02	72.01	71.91	71.95	71.90	71.94	71.88	71.90	71.90	71.89	71.85
42S	71.08	71.12	71.19	71.30	71.31	71.32	71.32	71.13	71.09	71.03	70.95	70.95	70.95	70.95	70.95	70.96	70.86	70.86
46S	70.24	70.33	70.36	70.46	70.47	70.45	70.42	70.26	70.14	70.11	69.94	69.90	69.89	69.87	69.86	69.97	69.76	69.76
50S	69.42	69.43	69.53	69.64	69.63	69.52	69.41	69.40	69.20	69.09	68.99	68.79	68.78	68.63	68.58	68.58	68.48	68.48
54S	68.51	68.51	68.52	68.64	68.72	68.61	68.49	68.48	68.27	68.08	68.05	67.84	67.76	67.57	67.47	67.30	67.27	67.18
58S	67.59	67.60	67.64	67.70	67.74	67.69	67.58	67.51	67.35	67.23	67.07	66.92	66.74	66.54	66.37	66.22	66.14	65.98
62S	66.68	66.73	66.73	66.83	66.82	66.81	66.75	66.63	66.52	66.40	66.19	66.04	65.83	65.66	65.45	65.29	65.18	65.04
66S	65.79	65.89	65.89	65.97	65.95	65.95	65.85	65.77	65.55	65.46	65.30	65.08	64.97	64.79	64.79	64.59	64.50	64.46
70S	64.95	65.06	65.05	65.05	65.04	65.03	65.02	65.01	64.91	64.80	64.79	64.57	64.46	64.46	64.44	64.32	64.29	64.17
74S	64.28	64.30	64.22	64.21	64.21	64.20	64.27	64.26	64.26	64.32	64.29	64.28	64.23	64.19	64.10	64.05	64.04	63.92
78S	63.80	63.80	63.75	63.75	63.75	63.68	63.67	63.70	63.70	63.72	63.72	63.71	63.76	63.75	63.70	63.72	63.73	63.74
82S	63.46	63.46	63.45	63.45	63.45	63.39	63.38	63.37	63.37	63.35	63.35	63.44	63.43	63.43	63.42	63.44	63.46	63.52
86S	63.23	63.23	63.22	63.22	63.22	63.22	63.21	63.21	63.21	63.20	63.20	63.27	63.27	63.26	63.26	63.26	63.25	63.25
90S	63.06	63.06	63.06	63.06	63.06	63.06	63.06	63.06	63.06	63.06	63.06	63.06	63.06	63.05	63.06	63.06	63.06	63.06

	QE	5E	10E	15E	20E	25E	30E	35E	40E	45E	50E	55E	60E	65E	70E	75E	80E	85E
90N	70.53	70.53	70.53	70.53	70.53	70.53	70.53	70.53	70.53	70.53	70.53	70.53	70.53	70.53	70.53	70.53	70.53	70.53
86N	70.64	70.64	70.64	70.65	70.69	70.69	70.70	70.70	70.70	70.70	70.70	70.70	70.70	70.70	70.70	70.70	70.70	70.69
82N	70.74	70.75	70.76	70.83	70.85	70.92	71.00	70.94	70.95	70.95	70.97	70.97	70.98	70.97	70.98	70.97	70.97	70.96
78N	70.89	70.90	70.92	71.03	71.05	71.16	71.24	71.19	71.20	71.25	71.26	71.27	71.32	71.32	71.28	71.28	71.23	71.24
74N	71.08	71.10	71.12	71.23	71.27	71.41	71.43	71.47	71.48	71.59	71.60	71.61	71.70	71.71	71.54	71.65	71.63	71.55
70N	71.28	71.29	71.30	71.42	71.55	71.79	71.81	71.93	71.94	72.05	72.08	72.10	72.14	72.14	72.14	72.13	72.06	72.07
66N	71.57	71.57	71.66	71.80	72.06	72.19	72.30	72.42	72.45	72.47	72.49	72.49	72.50	72.51	72.51	72.43	72.41	72.42
62N	71.85	71.86	71.97	72.17	72.44	72.57	72.71	72.77	72.79	72.79	72.79	72.79	72.79	72.75	72.76	72.66	72.65	72.67
58N	72.33	72.37	72.51	72.66	72.86	72.98	73.10	73.10	73.15	73.15	73.16	73.08	73.07	72.95	72.96	72.90	72.88	72.88
54N	72.99	73.07	73.23	73.24	73.32	73.39	73.48	73.47	73.55	73.56	73.57	73.40	73.39	73.20	73.16	73.16	73.13	73.11
50N	73.66	73.70	73.68	73.66	73.70	73.76	73.77	73.73	73.79	73.80	73.83	73.80	73.75	73.59	73.39	73.38	73.37	73.37
46N	74.25	74.25	74.23	74.14	74.14	74.21	74.15	74.17	74.21	74.26	74.28	74.27	74.27	74.23	74.39	73.97	73.95	73.96
42N	74.86	74.84	74.75	74.64	74.59	74.63	74.57	74.61	74.66	74.79	74.87	74.93	74.88	74.81	74.62	74.51	74.51	74.61
38N	75.49	75.49	75.33	75.19	75.06	75.09	75.09	75.17	75.21	75.34	75.43	75.49	75.44	75.34	75.14	75.08	75.12	75.19
34N	76.05	76.09	75.91	75.76	75.55	75.57	75.61	75.72	75.76	75.83	75.82	75.81	75.82	75.77	75.82	75.61	75.67	75.64
30N	76.36	76.32	76.25	76.21	76.10	75.94	75.89	75.99	76.10	76.11	75.89	75.89	75.95	75.97	75.89	75.84	75.90	75.98
26N	76.41	76.38	76.44	76.42	76.33	76.04	75.93	75.99	76.06	76.06	75.81	75.99	76.00	75.95	75.37	75.82	75.75	75.98
22N	76.32	76.33	76.34	76.33	76.22	76.01	75.89	75.88	75.91	75.86	75.86	75.88	75.90	75.85	75.77	75.71	75.66	75.78
18N	76.07	76.10	76.08	76.06	75.98	75.88	75.81	75.78	75.76	75.68	75.71	75.72	75.75	75.69	75.64	75.59	75.58	75.60
14N	75.77	75.78	75.78	75.76	75.76	75.72	75.71	75.72	75.67	75.60	75.63	75.62	75.62	75.56	75.53	75.51	75.51	75.52
10N	75.68	75.60	75.61	75.63	75.62	75.61	75.61	75.62	75.61	75.53	75.52	75.56	75.58	75.54	75.50	75.49	75.49	75.50
6N	75.55	75.58	75.60	75.61	75.60	75.58	75.58	75.60	75.53	75.52	75.52	75.54	75.55	75.50	75.48	75.47	75.48	75.49
2N	75.50	75.53	75.54	75.54	75.58	75.57	75.57	75.58	75.51	75.52	75.52	75.52	75.53	75.51	75.43	75.43	75.37	75.41
25	75.52	75.53	75.53	75.53	75.63	75.61	75.61	75.62	75.54	75.55	75.55	75.57	75.57	75.56	75.44	75.43	75.34	75.28
65	75.58	75.61	75.61	75.62	75.70	75.70	75.70	75.68	75.61	75.64	75.66	75.64	75.62	75.64	75.53	75.49	75.43	75.43
105	75.65	75.67	75.68	75.70	75.72	75.72	75.72	75.63	75.63	75.74	75.75	75.65	75.65	75.64	75.61	75.49	75.49	75.49
145	75.53	75.55	75.58	75.60	75.62	75.62	75.62	75.52	75.52	75.55	75.56	75.54	75.53	75.52	75.51	75.43	75.39	75.39
185	75.30	75.33	75.35	75.45	75.47	75.47	75.41	75.36	75.36	75.37	75.39	75.39	75.40	75.32	75.31	75.23	75.11	75.10
225	74.90	74.97	74.99	75.13	75.19	75.16	75.10	75.09	75.08	75.09	75.11	75.09	75.09	74.97	74.94	74.81	74.69	74.67
265	74.31	74.43	74.47	74.62	74.74	74.69	74.69	74.69	74.68	74.69	74.70	74.63	74.60	74.47	74.40	74.26	74.14	74.10
305	73.58	73.68	73.81	74.04	74.08	74.20	74.20	74.20	74.21	74.21	74.21	74.20	74.08	73.95	73.71	73.58	73.45	73.33
345	72.77	72.87	72.90	73.04	73.14	73.34	73.44	73.44	73.52	73.52	73.52	73.43	73.31	73.20	72.97	72.75	72.64	72.51
385	71.86	71.96	72.02	72.07	72.12	72.34	72.51	72.52	72.62	72.62	72.61	72.51	72.46	72.23	72.06	71.90	71.78	71.59
425	70.82	70.92	71.03	71.04	71.09	71.22	71.38	71.43	71.49	71.49	71.48	71.42	71.37	71.24	71.01	70.90	70.74	70.56
465	69.66	69.75	69.84	69.84	69.95	69.98	70.07	70.15	70.15	70.15	70.14	70.11	69.99	69.99	69.77	69.67	69.50	69.38
505	68.38	68.39	68.39	68.39	68.50	68.60	68.61	68.61	68.60	68.60	68.60	68.48	68.37	68.36	68.15	68.12	68.12	68.01
545	67.16	67.08	67.08	67.10	67.10	67.11	67.11	67.11	67.10	67.10	67.02	66.99	66.84	66.80	66.57	66.67	66.67	66.65
585	65.90	65.85	65.79	65.78	65.78	65.77	65.77	65.82	65.82	65.82	65.78	65.78	65.68	65.58	65.54	65.54	65.60	65.61
625	64.97	64.96	64.89	64.87	64.87	64.86	64.86	64.96	64.95	64.99	64.99	64.95	64.86	64.81	64.81	64.81	64.87	64.87
665	64.46	64.43	64.42	64.43	64.44	64.44	64.46	64.53	64.53	64.53	64.46	64.45	64.46	64.46	64.46	64.46	64.45	64.43
705	64.16	64.14	64.14	64.24	64.33	64.32	64.42	64.42	64.42	64.52	64.52	64.52	64.42	64.42	64.32	64.32	64.32	64.22
745	63.91	63.90	63.97	64.07	64.25	64.32	64.34	64.42	64.41	64.42	64.42	64.42	64.32	64.31	64.29	64.21	64.13	64.10
785	63.73	63.73	63.82	63.86	63.99	64.08	64.14	64.17	64.17	64.16	64.15	64.15	64.11	64.10	64.03	63.99	63.88	63.88
825	63.51	63.51	63.56	63.55	63.70	63.75	63.75	63.75	63.74	63.73	63.73	63.72	63.71	63.71	63.64	63.64	63.57	63.52
865	63.24	63.24	63.24	63.23	63.30	63.30	63.30	63.29	63.29	63.28	63.28	63.27	63.27	63.26	63.26	63.25	63.25	63.17
905	63.06	63.06	63.06	63.06	63.06	63.06	63.06	63.06	63.06	63.05	63.05	63.06	63.06	63.06	63.06	63.06	63.06	63.08

Table 5.20---Continued

	90E	95E	100E	105E	110E	115E	120E	125E	130E	135E	140E	145E	150E	155E	160E	165E	170E	175E
90N	70.53	70.53	70.53	70.53	70.53	70.53	70.53	70.53	70.53	70.53	70.53	70.53	70.53	70.53	70.53	70.53	70.53	70.53
86N	70.69	70.69	70.65	70.65	70.65	70.65	70.65	70.65	70.65	70.65	70.65	70.65	70.65	70.64	70.64	70.64	70.63	70.53
82N	70.93	70.96	70.93	70.87	70.86	70.85	70.85	70.84	70.78	70.77	70.77	70.77	70.77	70.76	70.74	70.75	70.75	70.63
78N	71.20	71.23	71.22	71.14	71.14	71.13	71.12	71.10	71.00	71.00	71.00	71.00	71.00	70.99	70.99	70.98	70.97	70.74
74N	71.55	71.53	71.56	71.56	71.55	71.55	71.52	71.49	71.39	71.37	71.37	71.37	71.37	71.35	71.34	71.34	70.97	70.97
70N	72.07	72.01	72.08	72.27	72.28	72.28	72.18	72.07	71.98	71.88	71.87	71.87	71.87	71.76	71.75	71.34	71.33	71.32
66N	72.40	72.38	72.43	72.53	72.53	72.54	72.53	72.53	72.51	72.43	72.40	72.39	72.39	72.36	71.75	71.75	71.75	71.74
62N	72.65	72.62	72.73	72.74	72.75	72.77	72.80	72.82	72.77	72.71	72.70	72.70	72.70	72.69	72.28	72.27	72.26	72.25
58N	72.86	72.86	72.94	72.97	72.99	73.01	73.05	73.07	72.97	72.96	72.95	72.94	72.96	72.94	72.63	72.61	72.61	72.58
54N	73.07	73.16	73.21	73.26	73.28	73.29	73.30	73.32	73.25	73.24	73.23	73.23	73.23	73.23	72.90	72.84	72.84	72.81
50N	73.38	73.52	73.58	73.64	73.65	73.65	73.56	73.53	73.60	73.59	73.58	73.58	73.58	73.53	73.40	73.35	73.32	73.01
46N	74.07	74.13	74.19	74.15	74.17	74.19	74.09	74.11	74.15	74.13	74.24	74.31	74.29	74.20	74.16	74.09	74.06	73.29
42N	74.67	74.68	74.71	74.70	74.71	74.71	74.63	74.69	74.76	74.76	74.76	74.91	74.94	74.94	74.89	74.89	74.85	74.10
38N	75.23	75.22	75.23	75.26	75.26	75.27	75.30	75.28	75.34	75.30	75.35	75.41	75.43	75.43	75.44	75.48	75.45	74.88
34N	75.72	75.71	75.70	75.73	75.72	75.77	75.81	75.77	75.80	75.75	75.77	75.80	75.74	75.77	75.74	75.76	75.76	75.41
30N	76.03	76.01	75.95	75.95	75.90	75.98	75.99	76.01	76.08	76.04	76.02	76.00	75.92	75.87	75.84	75.86	75.84	75.64
26N	75.80	75.35	75.88	75.87	75.92	75.95	75.96	76.01	76.04	76.01	76.00	76.00	75.93	75.88	75.85	75.83	75.77	75.68
22N	75.70	75.70	75.89	75.76	75.85	75.90	75.88	75.91	75.95	75.94	75.92	75.94	75.87	75.84	75.80	75.77	75.67	75.67
18N	75.62	75.61	75.58	75.67	75.74	75.81	75.81	75.81	75.85	75.84	75.82	75.86	75.82	75.79	75.79	75.76	75.71	75.65
14N	75.55	75.58	75.53	75.61	75.65	75.70	75.73	75.72	75.75	75.74	75.72	75.76	75.77	75.75	75.73	75.71	75.69	75.64
10N	75.57	75.59	75.54	75.57	75.59	75.63	75.62	75.66	75.66	75.64	75.62	75.62	75.69	75.69	75.67	75.66	75.65	75.64
6N	75.50	75.54	75.50	75.46	75.48	75.51	75.51	75.48	75.48	75.47	75.50	75.54	75.57	75.61	75.61	75.65	75.65	75.65
2N	75.31	75.32	75.36	75.32	75.34	75.38	75.38	75.35	75.36	75.36	75.38	75.46	75.47	75.56	75.57	75.60	75.63	75.64
2S	75.27	75.27	75.32	75.29	75.30	75.33	75.34	75.35	75.35	75.35	75.35	75.41	75.46	75.53	75.58	75.58	75.59	75.60
6S	75.42	75.42	75.40	75.38	75.38	75.39	75.41	75.42	75.44	75.44	75.42	75.42	75.52	75.51	75.62	75.65	75.68	75.71
10S	75.49	75.49	75.50	75.50	75.50	75.53	75.51	75.52	75.61	75.61	75.49	75.50	75.59	75.53	75.61	75.74	75.77	75.87
14S	75.38	75.39	75.40	75.41	75.42	75.42	75.50	75.50	75.51	75.43	75.40	75.41	75.43	75.41	75.53	75.64	75.65	75.75
18S	75.10	75.11	75.06	75.08	75.15	75.22	75.26	75.27	75.27	75.16	75.16	75.16	75.16	75.13	75.21	75.25	75.31	75.41
22S	74.63	74.65	74.60	74.58	74.66	74.77	74.78	74.78	74.78	74.71	74.66	74.61	74.57	74.51	74.58	74.62	74.73	74.83
26S	74.00	73.98	73.99	73.90	73.93	74.05	74.05	74.05	74.03	74.02	73.90	73.79	73.67	73.63	73.69	73.79	73.91	74.00
30S	73.21	73.11	73.11	72.92	73.02	73.12	73.12	73.10	73.09	73.09	72.98	72.86	72.66	72.75	72.75	72.76	72.38	72.96
34S	72.32	72.28	72.18	72.05	72.07	72.08	72.14	72.22	72.29	72.28	72.17	72.15	72.02	71.95	71.96	71.97	71.99	72.02
38S	71.43	71.35	71.23	71.18	71.17	71.16	71.25	71.41	71.50	71.55	71.51	71.51	71.47	71.44	71.44	71.45	71.45	71.46
42S	70.47	70.36	70.24	70.23	70.18	70.22	70.32	70.52	70.66	70.84	70.92	70.97	70.97	70.94	70.94	70.94	70.95	70.92
46S	69.36	69.27	69.18	69.17	69.09	69.17	69.28	69.49	69.74	70.02	70.23	70.38	70.42	70.37	70.38	70.38	70.35	70.31
50S	68.00	68.00	68.00	68.00	68.00	68.00	68.12	68.33	68.75	69.98	69.19	69.50	69.70	69.82	69.82	69.82	69.83	69.83
54S	66.65	66.65	66.65	66.74	66.32	66.83	67.02	67.24	67.51	67.73	68.11	68.35	68.64	68.84	68.92	68.93	68.93	68.94
58S	65.67	65.67	65.67	65.77	65.82	65.83	65.92	66.14	66.24	66.46	66.82	67.04	67.30	67.53	67.63	67.70	67.77	67.78
62S	64.98	64.98	65.02	65.08	65.09	65.10	65.11	65.24	65.29	65.43	65.63	65.76	65.91	66.03	66.20	66.31	66.42	66.47
66S	64.52	64.52	64.60	64.60	64.61	64.61	64.61	64.60	64.68	64.67	64.67	64.68	64.68	64.65	64.63	64.62	65.01	65.11
70S	64.22	64.22	64.22	64.23	64.23	64.23	64.23	64.14	64.14	64.05	63.96	63.97	63.88	63.79	63.71	63.72	63.74	63.77
74S	64.10	64.02	64.02	64.02	63.94	63.95	64.04	63.86	63.79	63.73	63.77	63.70	63.61	63.52	63.44	63.37	63.31	63.32
78S	63.88	63.77	63.71	63.72	63.68	63.63	63.68	63.55	63.52	63.53	63.47	63.38	63.24	63.23	63.18	63.15	63.13	63.08
82S	63.52	63.46	63.41	63.37	63.38	63.32	63.30	63.24	63.21	63.22	63.17	63.11	63.00	63.01	62.99	62.99	63.01	62.96
86S	63.17	63.17	63.17	63.10	63.10	63.10	63.04	62.96	62.96	62.97	62.97	62.98	62.98	63.03	62.92	62.93	62.93	62.94
90S	63.06	63.06	63.16	63.06	63.06	63.06	63.06	63.06	63.06	63.06	63.06	63.06	63.06	63.06	63.06	63.06	63.06	63.06

Table 5.21--Continued

[illegible]

Table 5.22

JUNE-JULY-AUGUST 400-mb MERIDIONAL WIND (m/sec), N/Hem

SECTION 400-MB HEIGHT/ONAL WIND (m/sec), N/Hem																	
	177.5M	172.5M	167.5M	162.5M	157.5M	152.5M	147.5M	142.5M	137.5M	132.5M	127.5M	122.5M	117.5M	112.5M	107.5M	102.5M	
88N*****	0.51	0.51	0.51	0.51	0.39	0.13	-0.13	-0.39	-0.51	-0.51	-0.51	-0.51	-0.32	0.05	0.26	0.26	92.5M
34N	0.51	0.51	0.51	0.51	0.39	0.13	-0.13	-0.39	-0.51	-0.51	-0.51	-0.51	-0.32	0.05	0.26	0.26	92.5M
80N	0.54	0.54	0.54	0.54	0.42	0.16	-0.16	-0.42	-0.54	-0.54	-0.54	-0.54	-0.35	0.08	0.29	0.29	92.5M
76N	1.29	1.31	1.31	1.31	1.17	0.41	-0.41	-0.84	-1.09	-1.09	-1.09	-1.09	-0.77	0.12	0.33	0.33	92.5M
72N	1.42	1.44	1.44	1.44	1.28	0.52	-0.52	-1.04	-1.36	-1.36	-1.36	-1.36	-1.02	0.15	0.36	0.36	92.5M
68N	1.46	1.48	1.48	1.48	1.30	0.54	-0.54	-1.08	-1.40	-1.40	-1.40	-1.40	-1.06	0.16	0.37	0.37	92.5M
64N	1.54	1.56	1.56	1.56	1.38	0.60	-0.60	-1.20	-1.52	-1.52	-1.52	-1.52	-1.14	0.18	0.39	0.39	92.5M
60N	1.56	1.58	1.58	1.58	1.40	0.62	-0.62	-1.22	-1.54	-1.54	-1.54	-1.54	-1.16	0.19	0.40	0.40	92.5M
56N	1.61	1.63	1.63	1.63	1.45	0.67	-0.67	-1.34	-1.66	-1.66	-1.66	-1.66	-1.21	0.20	0.41	0.41	92.5M
52N	1.80	1.82	1.82	1.82	1.64	0.83	-0.83	-1.66	-1.98	-1.98	-1.98	-1.98	-1.40	0.22	0.43	0.43	92.5M
48N	1.87	1.89	1.89	1.89	1.71	0.90	-0.90	-1.80	-2.12	-2.12	-2.12	-2.12	-1.46	0.23	0.44	0.44	92.5M
44N	1.94	1.96	1.96	1.96	1.78	0.96	-0.96	-1.92	-2.24	-2.24	-2.24	-2.24	-1.52	0.24	0.45	0.45	92.5M
40N	2.03	2.05	2.05	2.05	1.87	1.02	-1.02	-2.04	-2.36	-2.36	-2.36	-2.36	-1.58	0.25	0.46	0.46	92.5M
36N	2.12	2.14	2.14	2.14	1.96	1.09	-1.09	-2.18	-2.50	-2.50	-2.50	-2.50	-1.64	0.26	0.47	0.47	92.5M
32N	2.21	2.23	2.23	2.23	2.05	1.16	-1.16	-2.30	-2.62	-2.62	-2.62	-2.62	-1.70	0.27	0.48	0.48	92.5M
28N	2.30	2.32	2.32	2.32	2.14	1.23	-1.23	-2.42	-2.74	-2.74	-2.74	-2.74	-1.76	0.28	0.49	0.49	92.5M
24N	2.39	2.41	2.41	2.41	2.23	1.30	-1.30	-2.54	-2.86	-2.86	-2.86	-2.86	-1.82	0.29	0.50	0.50	92.5M
20N	2.48	2.50	2.50	2.50	2.32	1.37	-1.37	-2.66	-2.98	-2.98	-2.98	-2.98	-1.88	0.30	0.51	0.51	92.5M
16N	2.57	2.59	2.59	2.59	2.41	1.44	-1.44	-2.78	-3.10	-3.10	-3.10	-3.10	-1.94	0.31	0.52	0.52	92.5M
12N	2.66	2.68	2.68	2.68	2.50	1.51	-1.51	-2.90	-3.22	-3.22	-3.22	-3.22	-2.00	0.32	0.53	0.53	92.5M
8N	2.75	2.77	2.77	2.77	2.59	1.58	-1.58	-3.02	-3.34	-3.34	-3.34	-3.34	-2.07	0.33	0.54	0.54	92.5M
4S*****	0.51	0.51	0.51	0.51	0.39	0.13	-0.13	-0.39	-0.51	-0.51	-0.51	-0.51	-0.32	0.05	0.26	0.26	92.5M
8S*****	0.54	0.54	0.54	0.54	0.42	0.16	-0.16	-0.42	-0.54	-0.54	-0.54	-0.54	-0.35	0.08	0.29	0.29	92.5M
25S*****	1.29	1.31	1.31	1.31	1.17	0.41	-0.41	-0.84	-1.09	-1.09	-1.09	-1.09	-0.77	0.12	0.33	0.33	92.5M
65S*****	1.42	1.44	1.44	1.44	1.28	0.52	-0.52	-1.04	-1.36	-1.36	-1.36	-1.36	-1.02	0.15	0.36	0.36	92.5M
0S*****	1.46	1.48	1.48	1.48	1.30	0.54	-0.54	-1.08	-1.40	-1.40	-1.40	-1.40	-1.06	0.16	0.37	0.37	92.5M
45S*****	1.54	1.56	1.56	1.56	1.38	0.60	-0.60	-1.20	-1.52	-1.52	-1.52	-1.52	-1.14	0.18	0.39	0.39	92.5M
85S*****	1.56	1.58	1.58	1.58	1.40	0.62	-0.62	-1.22	-1.54	-1.54	-1.54	-1.54	-1.16	0.19	0.40	0.40	92.5M
25S*****	1.61	1.63	1.63	1.63	1.45	0.67	-0.67	-1.34	-1.66	-1.66	-1.66	-1.66	-1.21	0.20	0.41	0.41	92.5M
65S*****	1.80	1.82	1.82	1.82	1.64	0.83	-0.83	-1.66	-1.98	-1.98	-1.98	-1.98	-1.40	0.22	0.43	0.43	92.5M
0S*****	1.87	1.89	1.89	1.89	1.71	0.90	-0.90	-1.80	-2.12	-2.12	-2.12	-2.12	-1.46	0.23	0.44	0.44	92.5M
45S*****	1.94	1.96	1.96	1.96	1.78	0.96	-0.96	-1.92	-2.24	-2.24	-2.24	-2.24	-1.52	0.24	0.45	0.45	92.5M
85S*****	2.03	2.05	2.05	2.05	1.87	1.02	-1.02	-2.04	-2.36	-2.36	-2.36	-2.36	-1.58	0.25	0.46	0.46	92.5M
25S*****	2.12	2.14	2.14	2.14	1.96	1.09	-1.09	-2.18	-2.50	-2.50	-2.50	-2.50	-1.64	0.26	0.47	0.47	92.5M
65S*****	2.21	2.23	2.23	2.23	2.05	1.16	-1.16	-2.30	-2.62	-2.62	-2.62	-2.62	-1.70	0.27	0.48	0.48	92.5M
0S*****	2.30	2.32	2.32	2.32	2.14	1.23	-1.23	-2.42	-2.74	-2.74	-2.74	-2.74	-1.76	0.28	0.49	0.49	92.5M
45S*****	2.39	2.41	2.41	2.41	2.23	1.30	-1.30	-2.54	-2.86	-2.86	-2.86	-2.86	-1.82	0.29	0.50	0.50	92.5M
85S*****	2.48	2.50	2.50	2.50	2.32	1.37	-1.37	-2.66	-2.98	-2.98	-2.98	-2.98	-1.88	0.30	0.51	0.51	92.5M
25S*****	2.57	2.59	2.59	2.59	2.41	1.44	-1.44	-2.78	-3.10	-3.10	-3.10	-3.10	-1.94	0.31	0.52	0.52	92.5M
65S*****	2.66	2.68	2.68	2.68	2.50	1.51	-1.51	-2.90	-3.22	-3.22	-3.22	-3.22	-2.00	0.32	0.53	0.53	92.5M
0S*****	2.75	2.77	2.77	2.77	2.59	1.58	-1.58	-3.02	-3.34	-3.34	-3.34	-3.34	-2.07	0.33	0.54	0.54	92.5M
45S*****	2.84	2.86	2.86	2.86	2.68	1.65	-1.65	-3.14	-3.46	-3.46	-3.46	-3.46	-2.14	0.34	0.55	0.55	92.5M
85S*****	2.93	2.95	2.95	2.95	2.77	1.72	-1.72	-3.26	-3.58	-3.58	-3.58	-3.58	-2.22	0.35	0.56	0.56	92.5M
25S*****	3.02	3.04	3.04	3.04	2.89	1.79	-1.79	-3.38	-3.70	-3.70	-3.70	-3.70	-2.30	0.36	0.57	0.57	92.5M
65S*****	3.11	3.13	3.13	3.13	2.98	1.86	-1.86	-3.50	-3.82	-3.82	-3.82	-3.82	-2.38	0.37	0.58	0.58	92.5M
0S*****	3.20	3.22	3.22	3.22	3.07	1.93	-1.93	-3.62	-3.94	-3.94	-3.94	-3.94	-2.46	0.38	0.59	0.59	92.5M
45S*****	3.29	3.31	3.31	3.31	3.16	2.00	-2.00	-3.74	-4.06	-4.06	-4.06	-4.06	-2.54	0.39	0.60	0.60	92.5M
85S*****	3.38	3.40	3.40	3.40	3.25	2.07	-2.07	-3.86	-4.18	-4.18	-4.18	-4.18	-2.62	0.40	0.61	0.61	92.5M
25S*****	3.47	3.49	3.49	3.49	3.32	2.14	-2.14	-3.98	-4.30	-4.30	-4.30	-4.30	-2.70	0.41	0.62	0.62	92.5M
65S*****	3.56	3.58	3.58	3.58	3.41	2.21	-2.21	-4.10	-4.42	-4.42	-4.42	-4.42	-2.78	0.42	0.63	0.63	92.5M
0S*****	3.65	3.67	3.67	3.67	3.50	2.28	-2.28	-4.22	-4.54	-4.54	-4.54	-4.54	-2.86	0.43	0.64	0.64	92.5M
45S*****	3.74	3.76	3.76	3.76	3.59	2.35	-2.35	-4.34	-4.66	-4.66	-4.66	-4.66	-2.94	0.44	0.65	0.65	92.5M
85S*****	3.83	3.85	3.85	3.85	3.68	2.42	-2.42	-4.46	-4.78	-4.78	-4.78	-4.78	-3.02	0.45	0.66	0.66	92.5M
25S*****	3.92	3.94	3.94	3.94	3.77	2.49	-2.49	-4.58	-4.90	-4.90	-4.90	-4.90	-3.10	0.46	0.67	0.67	92.5M
65S*****	4.01	4.03	4.03	4.03	3.86	2.56	-2.56	-4.70	-5.02	-5.02	-5.02	-5.02	-3.18	0.47	0.68	0.68	92.5M
0S*****	4.10	4.12	4.12	4.12	3.95	2.63	-2.63	-4.82	-5.14	-5.14	-5.14	-5.14	-3.26	0.48	0.69	0.69	92.5M
45S*****	4.19	4.21	4.21	4.21	4.04	2.70	-2.70	-4.94	-5.26	-5.26	-5.26	-5.26	-3.34	0.49	0.70	0.70	92.5M
85S*****	4.28	4.30	4.30	4.30	4.13	2.77	-2.77	-5.06	-5.38	-5.38	-5.38	-5.38	-3.42	0.50	0.71	0.71	92.5M
25S*****	4.37	4.39	4.39	4.39	4.22	2.84	-2.84	-5.18	-5.50	-5.50	-5.50	-5.50	-3.50	0.51	0.72	0.72	92.5M
65S*****	4.46	4.48	4.48	4.48	4.31	2.91	-2.91	-5.30	-5.62	-5.62	-5.62	-5.62	-3.58	0.52	0.73	0.73	92.5M
0S*****	4.55	4.57	4.57	4.57	4.40	2.98	-2.98	-5.42	-5.74	-5.74	-5.74	-5.74	-3.66	0.53	0.74	0.74	92.5M
45S*****	4.64	4.66	4.66	4.66	4.49	3.05	-3.05	-5.54	-5.86	-5.86	-5.86	-5.86	-3.74	0.54	0.75	0.75	92.5M
85S*****	4.73	4.75	4.75	4.75	4.58	3.12	-3.12	-5.66	-5.98	-5.98	-5.98	-5.98	-3.82	0.55	0.76	0.76	92.5M
25S*****	4.82	4.84	4.84	4.84	4.67	3.19	-3.19	-5.78	-6.10	-6.10	-6.10	-6.10	-3.90	0.56	0.77	0.77	92.5M
65S*****	4.91	4.93	4.93	4.93	4.76	3.26	-3.26	-5.90	-6.22	-6.22	-6.22	-6.22	-3.98	0.57	0.78	0.78	92.5M
0S*****	5.00	5.02	5.02	5.02	4.85	3.33	-3.33	-6.02	-6.34	-6.34	-6.34	-6.34	-4.06	0.58	0.79	0.79	92.5M
45S*****	5.09	5.11	5.11	5.11	4.94	3.40	-3.40	-6.14	-6.46	-6.46	-6.46	-6.46	-4.14	0.59	0.80	0.80	92.5M
85S*****	5.18	5.20	5.20	5.20	5.03	3.47	-3.47	-6.26	-6.58	-6.58	-6.58	-6.58	-4.22	0.60	0.81	0.81	92.5M
25S*****	5.27	5.29	5.29	5.29	5.12	3.54	-3.54	-6.38	-6.70	-6.70	-6.70	-6.70	-4.30	0.61	0.82	0.82	92.5M
65S*****	5.36	5.38	5.38	5.38	5.21	3.61	-3.61	-6.50	-6.82	-6.82	-6.82	-6.82	-4.38	0.62	0.83	0.83	92.5M
0S*****	5.45	5.47	5.47	5.47	5.30	3.68	-3.68	-6.62	-6.94	-6.94	-6.94	-6.94	-4.46	0.63	0.84	0.84	92.5M
45S*****	5.54	5.56	5.56	5.56	5.39	3.75	-3.75	-6.74	-7.06	-7.06	-7.06	-7.06	-4.54	0.64	0.85	0.85	92.5M
85S*****	5.63	5.65	5.65	5.65	5.48	3.82	-3.82	-6.86	-7.18	-7.18	-7.18	-7.18	-4.62	0.65	0.86	0.86	92.5M

Table 5.22--Continued

	37.5M	82.5M	77.5M	72.5M	67.5M	62.5M	57.5M	52.5M	47.5M	42.5M	37.5M	32.5M	27.5M	22.5M	17.5M	12.5M	7.5M	2.5M
98N	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
84N	0.84	0.97	1.03	1.03	1.09	1.22	1.22	1.09	0.97	0.84	0.71	0.53	0.51	0.51	0.39	0.13	0.13	0.39
80N	-0.76	0.32	0.71	1.09	1.43	1.87	1.93	1.67	1.29	0.77	0.32	-0.06	-0.26	-0.26	-0.45	-0.39	-0.39	-0.13
76N	-1.43	-0.84	0.13	1.42	2.19	2.45	2.51	2.35	1.93	1.15	0.51	-0.03	-0.26	-0.26	-0.45	-0.39	-0.39	-0.13
72N	-2.33	-1.30	-0.32	1.61	2.64	2.77	2.77	2.64	2.12	1.22	0.84	0.39	0.19	0.35	0.13	0.39	0.34	1.48
68N	-3.93	-2.51	-0.84	1.09	2.25	2.64	2.64	2.25	1.67	0.90	0.51	0.51	0.45	0.32	0.51	1.03	1.67	2.45
64N	-4.50	-3.22	-1.67	0.13	1.35	1.99	2.06	1.54	1.10	0.90	0.77	0.77	0.77	0.77	0.51	1.35	1.93	2.70
60N	-4.57	-3.93	-2.77	-1.09	0.26	1.29	1.74	1.61	1.48	1.35	1.22	1.09	1.03	1.03	1.16	1.42	1.37	2.51
56N	-4.12	-4.12	-3.54	-2.35	-0.97	0.71	1.74	2.12	2.19	1.93	1.54	1.03	0.77	0.77	0.90	1.16	1.43	1.87
52N	-3.67	-3.30	-3.54	-2.90	-1.54	0.51	1.80	2.32	2.38	1.93	1.42	0.64	0.26	0.26	0.59	0.64	0.90	1.16
48N	-3.28	-3.15	-2.77	-2.12	-1.03	0.51	1.54	2.06	2.06	1.54	0.90	0.13	-0.32	-0.32	-0.19	0.45	0.84	0.90
44N	-2.64	-2.25	-1.61	-0.71	0.05	0.71	1.15	1.62	1.29	0.77	0.19	-0.45	-0.90	-0.45	-0.58	0.84	0.90	1.16
40N	-2.06	-1.54	-0.77	0.26	0.77	0.77	0.77	0.77	0.51	-0.03	-0.45	-0.84	-1.16	-1.42	-0.58	1.42	1.42	1.16
36N	-1.54	-1.03	-0.32	0.58	0.90	0.54	0.45	0.32	0.06	-0.32	-0.84	-0.90	-1.03	-1.03	-0.58	1.35	2.06	1.54
32N	-1.03	-0.51	-0.03	0.51	0.71	0.58	0.45	0.32	0.13	-0.13	-0.45	-0.84	-0.77	-0.26	0.34	2.51	2.64	2.25
28N	-0.58	-0.19	0.06	0.19	0.39	0.64	0.84	0.97	0.84	0.45	0.03	-0.51	-0.32	0.53	1.01	2.77	3.15	2.77
24N	0.0	0.0	0.0	0.0	0.32	0.97	1.43	1.87	1.67	0.90	0.32	-0.06	0.26	1.23	2.06	2.57	2.64	2.25
20N	0.77	0.26	0.06	0.19	0.64	1.42	1.99	2.33	1.99	0.84	0.19	0.06	0.45	1.35	1.99	1.37	1.37	1.43
16N	1.42	0.13	-0.26	0.26	0.34	1.43	1.99	2.33	1.93	0.64	0.0	0.0	0.26	0.77	1.09	1.22	1.09	0.71
12N	1.61	-0.32	-0.84	0.06	0.64	0.90	1.29	1.80	1.48	0.32	-0.19	-0.06	0.06	0.19	0.32	0.45	0.39	0.13
8N	1.03	-0.51	-0.90	-0.13	0.26	0.26	0.39	0.64	0.39	-0.39	-0.71	-0.58	-0.39	-0.13	0.0	0.0	0.0	0.13
4N	0.58	-0.32	-0.64	-0.39	-0.26	-0.26	-0.26	-0.26	-0.45	-0.34	-1.03	-1.03	-1.03	-1.03	-1.03	-1.03	-1.03	-1.03
0	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
45	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
85	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
125	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
165	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
205	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
245	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
285	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
325	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
365	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
405	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
445	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
485	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
525	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
565	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
605	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
645	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
685	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
725	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
765	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
805	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
845	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
885	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****

Table 5.22--Continued

	92.5E	97.5E	102.5E	107.5E	112.5E	117.5E	122.5E	127.5E	132.5E	137.5E	142.5E	147.5E	152.5E	157.5E	162.5E	167.5E	172.5E	177.5E
88N*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
84N*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
80N*****	0.97	0.36	0.06	0.06	0.06	0.06	0.06	0.06	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51
76N*****	1.03	1.03	0.97	0.86	0.64	0.39	0.32	0.45	0.51	0.51	0.51	0.51	0.58	0.71	0.77	0.77	0.77	0.77
72N*****	1.03	1.03	0.94	0.45	0.19	0.06	0.32	0.45	0.51	0.51	0.51	0.51	0.84	0.97	1.03	1.03	1.03	1.03
68N*****	0.77	0.77	0.54	0.10	0.0	0.0	0.06	0.13	0.32	0.45	0.51	0.51	0.84	0.97	1.03	1.03	1.03	1.03
64N*****	0.51	0.51	0.39	0.13	0.0	0.0	0.06	0.13	0.32	0.45	0.51	0.51	0.84	0.97	1.03	1.03	1.03	1.03
60N*****	0.26	0.26	0.10	0.06	0.06	0.06	0.06	0.06	0.51	0.51	0.51	0.51	0.84	0.97	1.03	1.03	1.03	1.03
56N*****	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.51	0.51	0.51	0.51	0.84	0.97	1.03	1.03	1.03	1.03
52N*****	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.51	0.51	0.51	0.51	0.84	0.97	1.03	1.03	1.03	1.03
48N*****	0.19	0.45	0.71	0.58	0.64	0.97	1.03	1.03	1.03	1.03	1.03	1.03	1.03	1.03	1.03	1.03	1.03	1.03
44N*****	0.51	0.39	0.26	0.26	0.39	0.64	0.77	0.77	0.77	0.77	0.77	0.77	0.77	0.77	0.77	0.77	0.77	0.77
40N*****	2.25	1.61	1.03	0.51	0.13	0.06	0.32	0.77	1.29	1.29	1.29	1.29	1.29	1.29	1.29	1.29	1.29	1.29
36N*****	3.73	3.67	3.67	3.67	3.67	3.67	3.67	3.67	3.67	3.67	3.67	3.67	3.67	3.67	3.67	3.67	3.67	3.67
32N*****	3.73	3.67	3.67	3.67	3.67	3.67	3.67	3.67	3.67	3.67	3.67	3.67	3.67	3.67	3.67	3.67	3.67	3.67
28N*****	2.54	3.23	3.47	3.23	3.09	2.51	1.93	0.64	0.26	0.77	1.03	1.03	0.77	0.26	0.51	0.51	0.51	0.51
24N*****	1.54	2.35	2.25	2.12	2.19	2.45	1.93	0.64	0.26	0.77	1.03	1.03	0.77	0.26	0.51	0.51	0.51	0.51
20N*****	1.03	1.04	1.09	1.22	1.42	1.67	1.35	0.45	0.26	0.77	1.03	1.03	0.77	0.26	0.51	0.51	0.51	0.51
16N*****	0.39	0.39	0.45	0.34	1.09	1.22	0.97	0.39	0.26	0.77	1.03	1.03	0.77	0.26	0.51	0.51	0.51	0.51
12N*****	0.39	0.13	0.23	0.77	0.34	0.34	0.71	0.53	0.54	0.97	1.03	1.03	0.77	0.26	0.51	0.51	0.51	0.51
8N*****	0.39	0.13	0.23	0.77	0.34	0.34	0.71	0.53	0.54	0.97	1.03	1.03	0.77	0.26	0.51	0.51	0.51	0.51
4N*****	0.19	0.06	0.19	0.59	0.58	0.19	0.39	0.45	1.22	1.03	1.03	1.03	0.77	0.26	0.51	0.51	0.51	0.51
0*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
45S*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
85S*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
125S*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
165S*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
205S*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
245S*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
285S*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
325S*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
365S*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
405S*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
445S*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
485S*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
525S*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
565S*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
605S*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
645S*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
685S*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
725S*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
765S*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
805S*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
845S*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
885S*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****

Table 5.23

JULY 400-mb ZONAL GEOSTROPHIC (m/sec)

	177.5W	172.5W	167.5W	162.5W	157.5W	152.5W	147.5W	142.5W	137.5W	132.5W	127.5W	122.5W	117.5W	112.5W	107.5W	102.5W	97.5W	92.5W
88N	0.22	0.22	0.21	0.19	0.21	0.23	0.23	0.23	0.22	0.22	0.19	0.18	0.16	0.13	0.10	0.06	0.06	0.04
84N	1.67	1.67	1.68	1.72	1.79	1.85	1.93	1.93	1.92	1.92	1.87	1.77	1.65	1.51	1.35	1.16	0.99	0.84
80N	3.60	3.59	3.52	3.71	3.63	3.95	4.04	4.11	4.14	4.12	4.05	3.83	3.66	3.33	3.11	2.58	2.16	1.77
76N	5.36	5.37	5.33	5.43	5.59	5.75	5.92	6.06	6.13	6.14	6.10	5.95	5.71	5.35	4.85	4.23	3.57	2.90
72N	6.26	6.13	6.10	6.20	6.38	6.58	6.81	7.02	7.17	7.27	7.31	7.23	7.20	6.94	6.47	5.83	5.07	4.22
68N	5.60	5.45	5.45	5.57	5.77	6.00	6.25	6.53	6.71	6.91	7.11	7.23	7.42	7.45	7.27	6.90	6.33	5.55
64N	4.13	4.14	4.29	4.50	4.75	5.00	5.22	5.45	5.63	5.81	6.07	6.41	6.82	7.24	7.54	7.65	7.49	7.02
60N	3.63	3.90	4.23	4.55	4.83	5.05	5.18	5.27	5.31	5.33	5.32	5.23	5.07	4.83	4.58	4.25	3.85	3.46
56N	5.19	5.61	5.99	6.25	6.44	6.55	6.53	6.39	6.16	6.00	5.89	5.65	5.37	5.04	4.68	4.25	3.79	3.34
52N	9.14	9.42	9.48	9.35	9.22	9.11	8.93	8.56	8.14	7.85	7.56	7.26	6.86	6.46	6.06	5.66	5.26	4.86
48N	13.85	13.59	12.98	12.24	11.56	11.23	10.98	10.61	10.24	10.12	10.42	11.18	12.24	13.31	14.16	14.70	15.02	15.38
44N	16.19	15.32	14.22	13.14	12.32	11.84	11.60	11.46	11.43	11.62	12.02	12.51	12.98	13.33	13.68	13.89	14.19	14.78
40N	14.53	13.59	12.62	11.75	11.21	10.93	10.92	11.10	11.38	11.71	12.18	12.77	13.45	14.19	15.00	15.87	16.80	17.80
36N	9.77	9.29	8.90	8.51	8.45	8.85	9.34	9.72	10.09	10.23	10.01	9.23	8.19	7.13	6.45	6.23	6.67	7.65
32N	4.03	4.29	4.70	5.09	6.37	6.85	7.22	7.55	7.75	7.61	6.92	6.08	4.94	3.99	3.18	2.62	2.02	1.42
28N	0.93	1.62	2.64	3.70	4.45	4.80	4.90	4.91	4.81	4.42	3.69	2.59	1.30	-0.05	-1.11	-1.51	-2.02	-2.52
24N	1.00	1.74	2.45	2.97	3.12	2.91	2.56	2.24	1.96	1.61	1.05	0.25	-0.78	-1.97	-2.90	-3.18	-2.90	-2.49
20N	1.82	2.27	2.33	2.01	1.42	0.72	0.12	-0.25	-0.50	-0.75	-1.13	-1.73	-2.59	-3.57	-4.22	-4.29	-4.01	-3.75
16N	1.78	1.77	1.16	0.14	-0.51	-1.75	-2.25	-2.45	-2.53	-2.92	-3.38	-3.88	-4.77	-5.74	-6.49	-6.83	-6.59	-6.47
12N	0.26	-0.09	-1.33	-2.19	-3.11	-3.65	-3.84	-3.83	-3.74	-3.72	-3.63	-3.48	-3.44	-3.43	-3.45	-3.46	-3.43	-3.40
8N	-1.09	-1.42	-2.29	-3.16	-3.64	-3.84	-3.94	-3.96	-3.90	-3.73	-3.70	-3.71	-3.66	-3.56	-3.45	-3.30	-3.15	-2.99
4N	-2.22	-2.62	-3.44	-4.05	-4.18	-4.10	-4.09	-4.06	-3.85	-3.52	-3.16	-2.96	-2.80	-2.55	-2.20	-1.93	-1.57	-1.38
0	-4.12	-4.97	-5.95	-6.45	-6.27	-5.73	-5.26	-4.67	-3.97	-3.20	-2.46	-1.92	-1.56	-1.49	-1.23	-0.99	-0.94	-1.12
4S	-5.41	-6.59	-7.57	-8.05	-7.63	-6.76	-5.67	-4.40	-3.26	-2.04	-0.83	-0.11	0.41	0.97	1.33	1.58	1.74	1.88
8S	-4.39	-5.25	-5.99	-6.15	-5.64	-4.57	-3.17	-1.69	-0.24	1.22	2.65	3.84	4.61	5.04	5.39	5.47	5.15	4.53
12S	2.29	2.01	1.79	1.73	2.19	3.03	4.25	5.45	6.54	7.71	8.81	9.81	10.74	11.43	11.79	11.86	11.01	10.09
16S	13.93	13.34	13.76	13.66	13.70	14.04	14.50	14.96	15.33	15.57	15.77	16.01	16.39	16.77	16.99	16.57	15.34	14.91
20S	25.24	25.16	24.94	24.56	24.15	23.82	23.49	23.14	22.69	22.05	21.30	20.63	20.24	20.02	19.74	19.34	18.85	18.27
24S	32.79	32.51	32.23	31.63	30.91	30.11	29.26	28.37	27.43	26.28	24.93	23.64	22.63	21.83	21.16	20.60	20.04	20.52
28S	33.93	33.33	32.46	32.90	32.22	31.42	30.56	29.68	28.74	27.64	26.33	25.02	23.85	22.80	21.88	21.04	20.34	21.85
32S	28.52	28.67	28.58	28.37	28.10	27.74	27.30	26.81	26.26	25.64	24.92	24.16	23.42	22.70	22.15	21.54	21.77	21.92
36S	20.86	21.31	21.01	21.83	22.03	22.16	22.16	22.07	21.91	21.77	21.68	21.59	21.52	21.43	21.30	21.06	20.92	20.93
40S	15.24	15.43	15.43	16.96	17.44	17.35	17.13	16.26	15.32	14.47	13.72	13.03	12.40	11.76	11.21	10.51	9.76	19.74
44S	12.70	13.23	13.73	14.55	15.12	15.53	15.81	15.23	14.41	13.65	12.97	12.36	11.72	11.04	10.34	9.59	8.74	18.79
48S	13.31	13.64	14.10	14.59	15.04	15.45	15.81	16.03	16.21	16.42	16.66	16.92	17.20	17.51	17.80	18.03	18.23	18.44
52S	16.38	16.31	16.35	16.43	16.60	16.74	16.92	17.02	17.09	17.15	17.30	17.41	17.50	17.62	17.78	18.04	18.35	18.60
56S	19.92	19.52	19.16	18.84	18.55	18.35	18.22	18.10	18.00	17.93	17.91	17.90	17.87	17.85	17.89	18.04	18.25	18.38
60S	21.67	21.17	20.62	20.03	19.46	18.93	18.56	18.26	17.99	17.76	17.50	17.43	17.32	17.15	17.04	17.02	17.04	17.00
64S	27.52	27.14	26.44	25.84	25.30	24.81	24.38	23.94	23.48	23.01	22.50	22.04	21.54	21.04	20.54	20.04	19.54	19.04
68S	16.20	16.05	15.40	15.40	14.93	14.45	13.94	13.59	13.26	12.97	12.70	12.44	12.14	11.85	11.59	11.36	11.12	10.88
72S	10.17	10.10	10.13	10.01	9.84	9.56	9.45	9.27	9.12	8.94	8.71	8.58	8.46	8.35	8.23	8.12	8.04	7.96
76S	4.93	5.02	5.12	5.21	5.30	5.43	5.52	5.60	5.72	5.80	5.90	6.00	6.10	6.21	6.33	6.45	6.58	6.70
80S	1.73	1.83	1.97	2.15	2.39	2.67	2.94	3.22	3.53	3.84	4.29	4.74	5.19	5.64	6.09	6.54	6.99	7.44
84S	0.01	0.33	0.14	0.37	0.61	0.86	1.14	1.45	1.78	2.07	2.35	2.64	2.94	3.21	3.45	3.64	3.79	3.88
88S	-1.01	-1.01	-0.93	-0.93	-0.83	-0.72	-0.60	-0.44	-0.29	-0.14	0.01	0.15	0.36	0.51	0.65	0.73	0.71	0.59

Table 5.23--Continued

	87.5M	82.5M	77.5M	72.5M	67.5M	62.5M	57.5M	52.5M	47.5M	42.5M	37.5M	32.5M	27.5M	22.5M	17.5M	12.5M	7.5M	2.5M
88N	0.02	0.05	0.09	0.10	0.13	0.17	0.19	0.22	0.26	0.25	0.27	0.31	0.35	0.37	0.38	0.42	0.45	0.51
84N	0.73	0.68	0.67	0.69	0.73	0.79	0.85	0.90	0.95	0.95	0.95	0.96	0.98	0.97	0.96	0.96	1.04	1.12
80N	1.46	1.25	1.14	1.12	1.19	1.31	1.45	1.58	1.68	1.74	1.76	1.74	1.74	1.71	1.59	1.71	1.76	1.87
76N	2.32	1.99	1.62	1.53	1.59	1.75	1.98	2.20	2.38	2.50	2.53	2.50	2.47	2.43	2.40	2.41	2.43	2.54
72N	3.40	2.72	2.27	2.05	2.03	2.20	2.45	2.72	2.96	3.11	3.17	3.14	3.09	3.06	3.05	3.03	3.03	3.13
68N	4.70	3.90	3.28	2.90	2.75	2.94	3.06	3.32	3.52	3.81	3.95	4.00	4.03	4.03	4.12	4.09	4.05	4.09
64N	6.35	5.60	4.92	4.46	4.25	4.29	4.49	4.74	5.05	5.35	5.63	5.85	6.04	6.13	6.25	6.20	6.09	6.00
60N	8.54	7.94	7.36	6.99	6.87	6.99	7.24	7.54	7.86	8.19	8.54	8.86	9.11	9.25	9.23	9.09	8.83	8.68
56N	11.22	10.89	10.55	10.40	10.50	10.73	11.11	11.41	11.56	11.93	12.15	12.36	12.50	12.43	12.30	12.03	11.74	11.46
52N	14.03	14.10	14.19	14.36	14.65	15.00	15.28	15.43	15.46	15.42	15.37	15.29	15.13	14.85	14.48	14.14	13.90	13.68
48N	15.89	16.51	17.11	17.55	17.81	17.94	17.90	17.70	17.38	16.93	16.51	16.25	15.84	15.40	15.01	14.82	14.89	14.98
44N	15.68	16.79	17.76	18.31	18.42	18.22	17.77	17.21	16.60	16.00	15.52	15.11	14.71	14.33	14.20	14.37	14.83	15.34
40N	13.19	14.52	15.61	16.19	16.26	15.91	15.29	14.58	13.93	13.34	13.00	12.75	12.57	12.51	12.57	13.16	13.94	14.68
36N	8.91	10.18	11.19	11.73	11.94	11.71	11.21	10.55	10.21	9.92	9.76	9.73	9.85	10.10	10.53	11.16	11.39	12.55
32N	3.97	4.96	5.70	6.34	6.68	6.73	6.59	6.39	6.32	6.37	6.47	6.65	6.96	7.43	7.95	8.44	8.74	9.00
28N	0.10	0.66	1.19	1.63	2.08	2.34	2.53	2.72	3.02	3.35	3.65	3.89	4.18	4.52	4.79	4.82	4.57	4.13
24N	-2.22	-2.03	-1.82	-1.59	-1.39	-1.19	-0.91	-0.51	0.00	0.47	0.77	0.86	0.82	0.72	0.47	-0.08	-0.90	-1.73
20N	-3.69	-3.74	-3.83	-3.99	-4.22	-4.39	-4.31	-3.98	-3.53	-3.17	-3.05	-3.24	-3.65	-4.24	-4.70	-5.77	-6.38	-8.01
16N	-4.53	-4.63	-4.97	-5.52	-6.26	-6.94	-7.30	-7.31	-7.21	-7.15	-7.31	-7.72	-8.35	-9.93	-10.34	-10.57	-11.35	-12.43
12N	-4.24	-4.40	-4.75	-5.44	-6.43	-7.45	-8.19	-8.69	-9.13	-9.51	-9.77	-10.03	-10.29	-10.33	-10.37	-10.57	-11.13	-11.81
8N	-3.05	-3.10	-3.31	-3.85	-4.71	-5.64	-6.44	-7.26	-8.16	-8.82	-9.47	-8.77	-8.39	-7.84	-7.30	-7.11	-7.33	-7.62
4N	-2.04	-2.01	-2.12	-2.60	-3.35	-4.06	-4.62	-5.29	-6.11	-6.64	-6.53	-6.00	-5.35	-4.70	-4.26	-4.26	-4.57	-4.85
0	-1.28	-1.33	-1.57	-2.25	-3.14	-3.76	-4.36	-4.10	-4.36	-4.37	-4.35	-3.35	-2.84	-2.52	-2.54	-2.97	-3.59	-4.15
4S	0.24	0.00	-0.43	-1.33	-2.40	-3.01	-2.95	-2.64	-2.36	-1.92	-1.29	-0.73	-0.44	-0.51	-0.97	-1.77	-2.69	-3.55
8S	3.93	3.45	2.83	1.86	0.79	0.16	0.12	0.28	0.49	0.89	1.46	1.97	2.19	2.05	1.54	0.74	-0.22	-1.15
12S	9.19	8.40	7.64	6.83	6.07	5.64	5.53	5.45	5.39	5.49	5.77	6.10	6.32	5.35	6.13	5.66	4.99	4.29
16S	13.93	12.99	12.25	11.74	11.39	11.28	11.35	11.40	11.39	11.37	11.39	11.48	11.68	11.90	12.01	11.90	11.61	11.25
20S	17.59	16.89	16.43	16.24	16.15	16.16	15.27	16.41	16.50	16.48	16.37	16.34	16.54	16.93	17.32	17.51	17.49	17.33
24S	20.34	20.16	20.15	20.25	20.28	20.26	20.26	20.33	20.43	20.43	20.29	20.19	20.33	20.74	21.26	21.65	21.82	21.79
28S	22.08	22.41	22.30	23.14	23.30	23.28	23.19	23.11	23.09	23.02	22.85	22.66	22.62	22.84	23.33	23.87	24.24	24.38
32S	22.23	22.71	23.22	23.69	24.07	24.29	24.35	24.27	24.16	24.05	23.90	23.69	23.47	23.39	23.57	24.23	24.79	25.10
36S	21.12	21.45	21.84	22.32	22.90	23.45	23.80	23.95	24.02	24.09	24.15	24.12	23.94	23.71	23.73	24.12	24.66	25.02
40S	19.84	20.02	20.28	20.73	21.40	22.08	22.61	23.06	23.50	23.94	24.34	24.65	24.76	24.66	24.59	24.75	25.10	25.43
44S	17.90	19.02	19.20	19.61	20.24	20.37	21.43	22.05	22.79	23.57	24.31	25.00	25.53	25.32	25.93	26.00	26.20	26.49
48S	13.61	18.74	18.37	19.16	19.51	20.04	20.47	21.00	21.85	22.74	23.68	24.64	25.58	25.40	26.95	27.20	27.40	27.71
52S	18.74	13.77	18.73	18.75	18.86	19.00	19.20	19.57	20.13	20.83	21.69	22.69	23.81	24.93	25.30	26.28	26.56	26.85
56S	18.38	18.21	17.93	17.64	17.38	17.21	17.14	17.21	17.41	17.75	18.20	19.02	19.91	20.81	21.51	21.92	22.13	22.29
60S	16.83	16.64	16.29	15.88	15.43	15.03	14.73	14.51	14.35	14.23	14.35	14.55	14.36	15.16	15.36	15.42	15.41	15.39
64S	14.34	14.21	14.04	13.78	13.41	12.99	12.58	12.17	11.71	11.24	10.73	10.35	9.97	9.63	9.21	8.85	8.63	8.45
68S	11.25	11.37	11.53	11.64	11.59	11.38	11.04	10.56	9.96	9.23	8.38	7.47	6.57	5.75	5.01	4.43	4.04	3.76
72S	8.65	8.95	9.33	9.63	9.89	9.94	9.73	9.40	8.87	8.17	7.32	6.40	5.48	4.65	3.96	3.41	3.03	2.76
76S	7.09	7.36	7.66	7.91	8.09	8.18	8.09	7.85	7.48	6.99	6.24	5.44	4.58	3.74	3.00	2.40	2.00	1.76
80S	5.83	5.95	6.02	6.05	6.05	5.99	5.86	5.66	5.42	5.13	4.84	4.58	4.33	4.11	3.93	3.79	3.68	3.59
84S	3.93	3.95	3.93	3.77	3.67	3.55	3.39	3.24	3.13	3.01	2.92	2.87	2.84	2.83	2.84	2.85	2.89	2.94
88S	1.05	1.11	1.12	1.12	1.15	1.17	1.17	1.17	1.21	1.25	1.31	1.38	1.47	1.55	1.64	1.73	1.83	1.92

Table 5.23--Continued

	2.5E	7.5E	12.5E	17.5E	22.5E	27.5E	32.5E	37.5E	42.5E	47.5E	52.5E	57.5E	62.5E	67.5E	72.5E	77.5E	82.5E	87.5E
38N	0.55	0.60	0.67	0.75	0.80	0.86	0.93	1.01	1.07	1.12	1.17	1.20	1.20	1.21	1.22	1.21	1.17	1.14
84N	1.23	1.36	1.53	1.72	1.91	2.11	2.29	2.47	2.63	2.77	2.90	2.96	3.01	3.04	3.05	3.03	2.93	2.91
80N	2.05	2.24	2.50	2.98	3.37	3.72	4.02	4.28	4.50	4.67	4.79	4.85	4.91	4.91	4.93	4.83	4.75	4.69
76N	2.73	3.14	3.63	4.19	4.75	5.25	5.65	5.95	6.16	6.29	6.35	6.35	6.32	6.26	6.16	6.04	5.95	5.90
72N	3.33	3.90	4.40	5.08	5.75	6.33	6.73	7.03	7.22	7.25	7.20	7.05	6.88	6.72	6.56	6.41	6.31	6.31
68N	4.24	4.99	5.11	5.69	6.24	6.73	7.04	7.23	7.27	7.17	6.97	6.69	6.48	6.15	5.98	5.89	5.86	5.94
64N	5.93	6.14	6.35	6.54	6.68	6.77	6.81	6.75	6.63	6.40	6.09	5.73	5.37	5.03	4.77	4.52	4.36	5.35
60N	8.51	8.39	8.19	7.85	7.46	7.10	6.76	6.43	6.12	5.81	5.50	5.16	4.80	4.55	4.31	4.09	4.99	5.32
56N	11.18	10.77	10.12	9.28	8.44	7.71	7.11	6.62	6.25	6.00	5.73	5.66	5.46	5.30	5.32	5.56	5.90	6.26
52N	13.33	12.64	11.58	10.36	9.27	8.42	7.85	7.47	7.31	7.35	7.52	7.71	7.81	7.92	7.96	8.00	8.22	8.44
48N	14.73	13.90	12.60	11.21	10.12	9.44	8.18	7.23	6.53	6.09	10.53	11.03	11.38	11.53	11.54	11.53	11.54	11.50
44N	15.43	14.73	13.60	12.34	11.41	10.97	11.04	11.50	12.14	12.74	13.38	13.85	14.20	14.36	14.34	14.23	14.05	13.82
40N	15.02	14.78	14.10	13.25	12.52	12.17	12.31	12.85	13.45	13.83	14.14	14.31	14.47	14.53	14.55	14.35	14.06	13.73
36N	12.93	13.16	13.12	12.30	12.25	11.79	11.72	12.00	12.25	12.41	11.99	11.79	11.76	11.31	11.74	11.47	11.07	10.71
32N	9.21	9.56	9.95	10.03	9.60	8.94	8.31	8.08	7.63	7.19	6.67	6.51	6.51	6.51	6.35	5.99	5.55	5.25
28N	3.94	4.10	4.50	4.99	4.86	4.31	3.63	3.09	2.47	1.83	1.26	0.83	0.83	0.55	0.38	0.09	-0.17	-0.28
24N	-2.41	-2.43	-1.76	-0.80	-0.14	-0.02	-0.44	-1.27	-2.20	-2.94	-3.43	-3.71	-3.30	-3.73	-3.77	-3.77	-3.69	-3.54
20N	-8.77	-8.70	-7.62	-5.88	-4.20	-3.20	-3.26	-4.20	-5.34	-6.11	-6.42	-6.43	-6.22	-5.86	-5.50	-5.13	-4.76	-4.47
16N	-13.07	-12.77	-11.35	-9.15	-6.83	-5.25	-5.02	-5.96	-7.08	-7.65	-7.53	-7.26	-6.89	-5.97	-5.28	-4.69	-4.23	-4.02
12N	-12.14	-11.75	-10.60	-8.65	-6.90	-5.48	-5.24	-5.99	-6.73	-6.83	-6.42	-5.79	-5.09	-4.39	-3.79	-3.36	-3.14	-3.21
8N	-7.66	-7.38	-6.34	-4.30	-2.87	-2.91	-3.75	-4.30	-4.70	-4.43	-3.91	-3.33	-2.89	-2.50	-2.49	-2.61	-2.93	-3.38
4N	-4.90	-4.75	-4.50	-4.12	-3.45	-2.68	-2.41	-2.75	-3.15	-3.07	-2.68	-2.32	-2.16	-2.19	-2.46	-3.03	-3.72	-4.32
0	-4.45	-4.43	-4.18	-3.86	-3.33	-2.67	-2.13	-2.13	-2.68	-3.03	-3.02	-2.86	-2.79	-2.83	-3.22	-3.86	-4.51	-4.88
4S	-4.14	-4.25	-3.95	-3.54	-3.04	-2.28	-1.69	-1.35	-2.04	-2.93	-3.42	-3.55	-3.56	-3.53	-3.79	-4.22	-4.55	-4.59
8S	-1.83	-2.34	-1.36	-1.40	-0.69	0.24	1.05	1.05	0.09	-1.27	-2.38	-3.01	-3.24	-3.13	-3.07	-2.96	-2.77	-2.60
12S	3.70	3.28	3.06	3.24	3.89	4.57	5.12	4.84	3.88	2.63	1.50	0.78	0.64	1.01	1.16	2.72	3.62	4.08
16S	10.74	10.00	9.22	8.22	8.87	8.97	8.83	8.39	7.86	7.47	7.23	7.23	7.68	7.64	10.01	11.54	13.09	13.93
20S	16.89	15.99	14.87	13.95	13.27	12.58	11.86	11.31	11.26	11.77	12.54	13.44	14.55	15.92	17.49	19.20	20.70	21.76
24S	21.48	20.71	19.63	18.53	17.33	16.04	14.92	14.27	14.43	15.35	16.68	18.11	19.55	20.99	22.37	23.71	24.91	25.99
28S	24.25	23.93	23.20	22.34	21.10	19.57	18.46	17.75	17.76	18.44	19.56	20.81	22.02	23.13	24.09	24.92	25.63	26.60
32S	25.14	25.03	24.97	24.61	23.84	22.85	22.00	21.40	21.17	21.31	21.73	22.27	22.81	23.32	23.75	24.06	24.37	24.92
36S	25.18	25.33	25.51	25.58	25.42	25.13	24.86	24.62	24.38	24.20	24.07	23.98	23.89	23.82	23.72	23.52	23.35	23.39
40S	25.68	25.95	26.26	26.58	26.84	27.03	27.33	27.48	27.45	27.24	26.94	26.59	26.21	25.80	25.32	24.73	24.15	23.73
44S	26.84	27.21	27.60	28.06	28.58	29.13	29.63	30.01	30.16	30.06	29.83	29.53	29.13	28.63	27.98	27.22	26.42	25.67
48S	28.11	28.57	29.04	29.61	30.27	30.87	31.31	31.60	31.73	31.66	31.51	31.33	31.05	30.61	30.02	29.28	28.47	27.61
52S	27.19	27.62	28.12	28.72	29.36	29.82	29.98	29.93	29.79	29.57	29.34	29.13	28.86	28.45	27.93	27.31	26.66	25.98
56S	22.47	22.76	23.16	23.62	24.08	24.34	24.26	23.97	23.51	23.24	22.89	22.54	22.15	21.66	21.11	20.60	20.19	19.85
60S	15.40	15.50	15.71	15.93	16.14	16.24	16.13	15.83	15.57	15.25	14.89	14.47	14.00	13.45	12.92	12.52	12.32	12.27
64S	3.32	3.25	3.23	3.19	3.14	3.15	3.15	3.11	3.03	2.92	2.70	2.34	1.91	1.45	1.05	0.81	0.79	0.92
68S	3.56	3.37	3.15	2.89	2.63	2.62	2.69	2.83	2.98	3.07	3.08	2.92	2.66	2.42	2.29	2.27	2.37	2.59
72S	2.55	2.32	2.04	1.74	1.49	1.36	1.37	1.49	1.66	1.81	1.95	1.99	1.96	1.95	2.05	2.18	2.33	2.54
76S	3.34	3.17	2.99	2.82	2.68	2.58	2.55	2.60	2.69	2.87	2.98	3.12	3.24	3.36	3.51	3.64	3.74	3.83
80S	3.54	3.51	3.43	3.49	3.52	3.53	3.61	3.70	3.80	3.93	4.09	4.25	4.38	4.50	4.60	4.65	4.63	4.58
84S	3.01	3.08	3.18	3.33	3.48	3.61	3.76	3.90	4.02	4.15	4.27	4.37	4.44	4.48	4.49	4.44	4.33	4.17
88S	2.01	2.09	2.18	2.30	2.39	2.45	2.54	2.61	2.65	2.70	2.72	2.71	2.69	2.64	2.57	2.47	2.34	2.18

Table 5.23--Continued

	92.5E	97.5E	102.5E	107.5E	112.5E	117.5E	122.5E	127.5E	132.5E	137.5E	142.5E	147.5E	152.5E	157.5E	162.5E	167.5E	172.5E	177.5E
88N	1.12	1.15	0.97	0.93	0.43	0.43	3.74	0.69	0.62	0.57	0.53	0.47	0.41	0.36	0.32	0.30	0.26	0.23
89N	2.86	2.78	2.64	2.57	2.57	2.50	2.42	2.32	2.24	2.17	2.09	2.00	1.91	1.84	1.78	1.72	1.57	1.65
89N	4.65	4.63	4.64	4.67	4.70	4.71	4.70	4.65	4.58	4.50	4.40	4.28	4.14	4.03	3.92	3.80	3.69	3.63
76N	5.91	6.01	6.17	6.36	6.55	6.72	6.82	6.85	6.83	6.77	6.67	6.53	6.37	6.19	6.02	5.82	5.54	5.48
72N	6.39	6.53	6.73	7.23	7.57	7.87	8.08	8.19	8.20	8.15	8.05	7.91	7.74	7.52	7.29	7.04	6.76	6.48
63N	6.09	6.33	6.64	6.97	7.30	7.59	7.77	7.85	7.81	7.71	7.60	7.45	7.26	7.03	6.78	6.52	6.20	5.86
64N	5.60	5.95	6.30	6.63	6.91	7.13	7.37	7.52	7.61	7.58	7.48	7.36	7.14	6.91	6.65	6.40	6.10	5.77
60N	5.63	5.96	6.32	6.65	6.97	7.24	7.51	7.69	7.77	7.64	7.48	7.26	7.01	6.76	6.50	6.24	5.93	5.59
56N	6.54	6.86	7.21	7.54	7.82	8.05	8.23	8.36	8.42	8.35	8.18	7.91	7.54	7.27	6.99	6.71	6.38	6.00
52N	8.53	8.83	9.15	9.47	9.73	9.94	10.07	10.13	10.11	10.01	9.81	9.51	9.11	8.71	8.31	7.91	7.48	7.04
48N	11.32	12.03	12.73	13.43	14.13	14.83	15.53	16.23	16.93	17.63	18.33	19.03	19.73	20.43	21.13	21.83	22.53	23.23
44N	13.48	14.18	14.88	15.58	16.28	16.98	17.68	18.38	19.08	19.78	20.48	21.18	21.88	22.58	23.28	23.98	24.68	25.38
40N	13.42	13.21	13.13	13.00	13.12	13.30	13.53	13.74	13.90	13.95	14.00	14.20	14.56	15.23	15.69	15.88	15.74	15.27
36N	10.55	10.51	10.83	11.22	11.51	12.00	12.21	12.17	11.95	11.63	11.35	11.21	11.25	11.41	11.50	11.34	10.93	10.36
32N	5.25	5.51	5.99	6.59	7.28	7.93	8.27	8.22	7.88	7.42	7.00	6.64	6.32	6.05	5.73	5.24	4.68	4.25
28N	0.17	0.12	0.53	1.03	1.67	2.37	2.88	3.06	2.95	2.59	2.45	2.24	1.97	1.67	1.34	0.95	0.55	0.62
24N	-3.36	-3.13	-3.06	-2.95	-2.73	-2.34	-1.90	-1.56	-1.36	-1.27	-1.13	-0.93	-0.84	-0.30	-0.71	-0.53	-0.17	0.35
20N	-4.35	-4.40	-4.53	-4.96	-5.24	-5.32	-5.22	-4.96	-4.60	-4.20	-3.69	-3.10	-2.61	-2.19	-1.57	-0.89	0.12	1.07
16N	-4.13	-4.49	-5.01	-5.65	-6.26	-6.30	-7.12	-7.15	-6.83	-6.26	-5.50	-4.61	-3.77	-3.05	-2.26	-1.17	0.12	1.20
12N	-3.59	-4.13	-4.72	-5.32	-5.96	-6.66	-7.34	-7.76	-7.66	-7.13	-6.30	-5.41	-4.40	-3.50	-2.57	-1.74	-0.76	-0.01
8N	-3.83	-4.30	-4.60	-4.78	-5.02	-5.57	-5.44	-7.20	-7.33	-6.90	-6.25	-5.48	-4.52	-3.55	-2.57	-1.66	-1.70	-1.29
4N	-4.71	-4.97	-5.12	-5.06	-4.92	-5.14	-5.93	-6.80	-7.10	-6.79	-6.21	-5.50	-4.53	-3.71	-3.00	-2.54	-2.49	-2.32
0	-5.06	-5.38	-5.83	-6.00	-5.80	-5.72	-5.16	-6.90	-7.32	-7.13	-6.59	-5.71	-4.83	-4.12	-3.54	-3.46	-3.53	-3.71
4S	-4.64	-5.17	-6.06	-6.63	-6.59	-6.37	-5.44	-6.82	-7.13	-7.04	-6.35	-5.29	-4.39	-3.91	-3.70	-3.71	-4.00	-4.56
8S	-2.80	-3.43	-4.33	-5.79	-6.17	-6.13	-5.05	-5.83	-5.52	-5.04	-4.22	-3.15	-2.30	-1.91	-1.38	-2.21	-2.85	-3.61
12S	3.88	3.13	2.03	0.89	-0.06	-0.66	-0.63	-0.07	0.93	1.93	3.02	4.08	4.91	5.23	5.15	4.51	3.54	2.74
16S	14.21	14.17	13.73	12.86	11.70	10.54	1.24	10.73	11.82	13.05	14.25	15.46	16.39	16.79	16.62	15.94	14.98	14.24
20S	22.61	23.44	23.72	23.75	22.97	21.96	21.37	21.53	22.24	23.19	24.29	25.47	26.46	26.99	27.03	26.64	26.02	25.51
24S	27.23	28.63	29.60	30.38	30.78	29.75	29.29	29.20	29.38	29.73	30.33	31.15	31.95	32.56	32.90	33.00	32.96	32.87
28S	27.93	29.19	30.41	31.30	31.73	31.73	31.54	31.31	31.03	30.71	30.57	30.70	31.04	31.55	32.16	32.77	33.34	33.77
32S	25.70	26.50	27.21	27.81	28.24	28.34	28.10	27.55	26.80	25.93	25.16	24.68	24.57	24.87	25.53	26.38	27.28	28.06
36S	23.59	23.80	23.95	24.09	24.19	24.02	23.39	22.31	20.99	19.68	13.52	17.59	17.31	17.33	17.32	18.51	19.35	20.20
40S	23.45	23.22	23.01	22.83	22.63	22.19	21.23	19.74	18.04	16.40	14.95	13.85	13.19	12.95	13.01	13.32	13.87	14.56
44S	25.01	24.46	24.02	23.63	23.24	22.57	21.55	20.15	18.43	16.73	15.14	13.77	12.79	12.17	11.32	11.69	11.84	12.21
48S	26.76	26.02	25.42	24.91	24.44	23.94	23.22	22.22	21.01	19.67	18.23	16.77	15.53	14.60	13.53	13.49	13.25	13.17
52S	25.28	24.64	24.12	23.72	23.41	23.21	23.10	22.99	22.75	22.29	21.54	20.55	19.56	18.73	13.09	17.57	17.08	16.63
56S	19.53	19.27	19.12	19.10	19.19	19.48	20.06	20.83	21.60	22.21	22.52	22.51	22.31	22.04	21.79	21.44	20.96	20.41
60S	12.29	12.41	12.68	13.06	13.53	14.34	15.42	16.74	18.17	19.54	20.73	21.63	22.25	22.65	22.33	22.79	22.54	22.14
64S	6.14	6.49	6.93	7.62	8.41	9.40	10.55	12.12	13.70	15.30	16.93	18.13	19.26	20.05	20.56	20.92	20.83	20.78
68S	2.88	3.26	3.74	4.37	5.13	6.01	7.06	8.22	9.43	10.57	11.71	13.07	14.06	14.81	15.35	15.74	16.02	16.20
72S	2.79	3.07	3.38	3.76	4.19	4.67	5.22	5.75	6.34	6.90	7.47	8.01	8.49	8.85	9.17	9.47	9.75	10.00
76S	3.93	4.02	4.00	4.13	4.18	4.22	4.26	4.23	4.29	4.30	4.31	4.30	4.32	4.39	4.51	4.66	4.81	4.81
80S	4.49	4.37	4.21	4.00	3.77	3.53	3.26	2.97	2.7	2.45	2.21	1.96	1.75	1.62	1.54	1.57	1.63	1.63
84S	3.96	3.72	3.46	3.16	2.80	2.45	2.11	1.75	1.43	1.12	0.83	0.57	0.34	0.17	0.05	-0.02	-0.06	-0.06
88S	2.01	1.82	1.62	1.41	1.13	0.88	0.66	0.42	0.21	0.00	-0.19	-0.37	-0.53	-0.68	-0.78	-0.87	-0.95	-0.99

Table 5.24

		JULY 400-mb MERIDIONAL GEOSTROPHIC (m/sec)																		
		177.5w	172.5w	167.5w	162.5w	157.5w	152.5w	147.5w	142.5w	137.5w	132.5w	127.5w	122.5w	117.5w	112.5w	107.5w	102.5w	97.5w	92.5w	
88N	-0.23	-0.19	-0.15	-0.15	-0.15	-0.13	-0.10	-0.09	-0.08	-0.06	-0.06	-0.06	-0.05	-0.03	-0.03	-0.13	-0.17	0.23	0.28	0.28
84N	-0.06	0.01	0.07	0.09	0.10	0.10	0.10	0.08	0.02	-0.06	-0.15	-0.25	-0.31	-0.35	-0.35	-0.32	-0.25	-0.14	-0.03	-0.03
80N	-0.02	0.14	0.29	0.37	0.42	0.43	0.43	0.33	0.18	-0.05	-0.34	-0.63	-0.89	-1.14	-1.32	-1.39	-1.34	-1.19	-0.95	-0.95
76N	-0.13	0.16	0.42	0.64	0.77	0.77	0.77	0.64	0.42	0.05	-0.42	-0.92	-1.41	-1.91	-2.34	-2.55	-2.77	-2.64	-2.28	-2.28
72N	-0.44	0.02	0.47	0.97	1.13	1.16	1.16	1.00	0.71	0.26	-0.31	-0.93	-1.51	-2.15	-2.73	-3.14	-4.15	-4.20	-3.82	-3.82
68N	-0.85	-0.19	0.50	1.07	1.43	1.50	1.50	1.34	1.05	0.61	0.07	-0.54	-1.29	-2.19	-3.11	-4.17	-4.95	-5.33	-5.14	-5.14
64N	-1.09	-0.21	0.67	1.33	1.70	1.77	1.77	1.62	1.35	0.95	0.53	0.05	-0.59	-1.57	-2.55	-3.72	-4.84	-5.67	-5.88	-5.88
60N	-0.95	0.10	1.04	1.66	1.95	1.95	1.95	1.77	1.46	1.02	0.77	0.26	0.24	-0.37	-1.33	-2.41	-4.07	-5.37	-6.08	-6.08
56N	-0.43	0.55	1.51	1.99	2.14	2.05	1.95	1.76	1.31	0.89	0.75	0.33	1.21	1.33	0.27	-1.12	-2.95	-4.72	-5.92	-5.92
52N	0.23	1.17	1.30	2.10	2.15	1.95	1.64	1.50	0.86	0.53	0.32	1.37	2.32	2.65	2.01	0.41	-0.95	-4.02	-5.56	-5.56
48N	0.42	1.00	1.34	1.60	1.79	1.64	1.21	1.06	0.23	0.43	0.43	1.31	3.49	4.15	3.43	1.49	-1.13	-3.54	-5.07	-5.07
44N	-0.15	-0.32	0.12	0.54	1.07	1.21	1.21	0.71	-0.23	-0.21	0.73	2.54	4.35	5.04	4.17	1.97	-0.33	-3.15	-4.37	-4.37
40N	-1.11	-1.25	-1.15	-0.49	0.43	0.93	0.93	0.66	0.07	0.06	1.11	2.91	4.56	5.15	4.22	2.00	-0.63	-2.62	-3.44	-3.44
36N	-1.95	-2.13	-1.39	-0.97	0.20	0.95	0.95	0.89	0.43	0.45	1.16	2.80	4.10	4.58	3.73	1.73	-0.50	-1.97	-2.36	-2.36
32N	-2.40	-2.29	-1.74	-0.67	0.56	1.33	1.33	1.32	0.85	0.72	1.27	2.21	3.14	3.55	2.97	1.24	-0.43	-1.31	-1.33	-1.33
28N	-2.35	-1.81	-0.91	0.20	1.24	1.80	1.80	1.65	1.05	0.71	0.90	1.44	2.13	2.47	1.91	0.52	-0.47	-0.82	-0.61	-0.61
24N	-2.00	-1.20	-0.13	0.89	1.64	1.95	1.95	1.64	0.96	0.52	0.53	0.86	1.38	1.58	0.99	0.01	-0.54	-0.50	-0.23	-0.23
20N	-1.68	-0.90	0.07	0.93	1.52	1.75	1.75	1.44	0.80	0.35	0.27	0.49	0.81	0.90	0.19	-0.47	-0.54	-0.23	-0.02	-0.02
16N	-1.52	-1.05	-0.36	0.35	1.00	1.39	1.39	1.27	0.74	0.26	0.10	0.21	0.34	-0.14	-0.57	-0.75	-0.46	-0.03	0.08	0.08
12N	-1.53	-1.54	-1.21	-0.54	0.33	1.05	1.05	1.21	0.80	0.27	0.02	-0.01	-0.06	-0.30	-0.57	-0.70	-0.28	0.03	0.06	0.06
8N	-1.57	-2.06	-2.01	-1.24	-0.38	0.37	0.37	1.15	0.83	0.35	0.07	-0.05	-0.19	-0.39	-0.53	-0.42	-0.12	0.04	0.05	0.05
4N	-1.40	-1.34	-1.74	-1.01	-0.01	0.73	0.73	0.94	0.76	0.43	0.17	0.01	-0.14	-0.29	-0.33	-0.18	-0.03	-0.07	-0.07	-0.07
0	-1.01	-0.73	-0.23	0.15	0.41	0.56	0.56	0.67	0.71	0.56	0.29	0.09	-0.06	-0.21	-0.23	-0.04	0.03	-0.19	-0.44	-0.44
4S	-0.72	0.25	1.23	1.45	1.01	0.62	0.62	0.67	0.93	0.94	0.54	0.42	0.19	-0.06	-0.13	0.07	0.05	-0.38	-0.72	-0.72
8S	-0.93	0.33	1.69	2.15	1.72	1.30	1.30	1.42	1.77	1.86	1.55	1.34	0.99	0.27	0.09	0.24	0.00	-0.68	-1.09	-1.09
12S	-1.28	-0.32	1.47	2.33	2.34	2.24	2.24	2.49	2.82	2.90	2.75	2.41	1.69	0.83	0.47	0.40	-0.22	-1.63	-2.33	-2.33
16S	-1.31	-0.07	1.32	2.26	2.51	2.62	2.62	2.93	3.20	3.21	3.02	2.71	2.06	1.23	0.74	0.39	-0.57	-1.32	-2.33	-2.33
20S	-1.25	-0.12	1.01	1.81	2.11	2.27	2.27	2.55	2.76	2.67	2.37	2.09	1.68	1.08	0.52	0.17	-0.85	-2.12	-2.67	-2.67
24S	-1.22	-0.29	0.53	1.09	1.29	1.39	1.39	1.60	1.78	1.50	1.14	0.85	0.71	0.42	0.12	-0.22	-1.01	-2.05	-2.60	-2.60
28S	-1.18	-0.54	-0.00	0.34	0.39	0.39	0.39	0.55	0.71	0.45	-0.17	-0.54	-0.53	-0.59	-0.67	-0.70	-1.05	-1.77	-2.24	-2.24
32S	-0.96	-0.64	-0.30	-0.06	-0.11	-0.21	-0.21	-0.08	0.05	-0.28	-0.39	-1.44	-1.45	-1.43	-1.35	-1.11	-1.11	-1.54	-1.85	-1.85
36S	-0.47	-0.41	-0.16	0.03	-0.03	-0.23	-0.23	-0.23	-0.19	-0.55	-1.20	-1.63	-1.67	-1.54	-1.55	-1.32	-1.27	-1.52	-1.62	-1.62
40S	0.19	0.11	0.23	0.45	0.28	-0.00	-0.00	-0.11	-0.20	-0.55	-1.05	-1.38	-1.37	-1.30	-1.32	-1.33	-1.42	-1.59	-1.52	-1.52
44S	0.87	0.76	0.95	1.06	0.83	0.46	0.46	0.18	-0.04	-0.40	-0.77	-0.98	-0.93	-0.85	-0.85	-1.17	-1.46	-1.51	-1.45	-1.45
48S	1.38	1.48	1.69	1.75	1.45	1.01	1.01	0.56	0.14	-0.18	-0.46	-0.62	-0.47	-0.25	-0.41	-0.58	-1.30	-1.43	-1.30	-1.30
52S	1.43	1.73	2.13	2.20	1.88	1.41	1.41	0.86	0.34	-0.02	-0.25	-0.40	-0.27	-0.05	-0.17	-0.58	-0.98	-1.13	-1.06	-1.06
56S	0.94	1.46	1.94	2.08	1.83	1.40	1.40	0.86	0.33	-0.03	-0.23	-0.34	-0.24	-0.07	-0.11	-0.36	-0.66	-0.39	-0.91	-0.91
60S	0.17	0.73	1.22	1.41	1.26	0.93	0.93	0.48	-0.01	-0.32	-0.43	-0.47	-0.41	-0.27	-0.25	-0.37	-0.57	-0.34	-1.01	-1.01
64S	-0.55	-0.11	0.24	0.36	0.25	0.03	0.03	-0.30	-0.58	-0.90	-0.92	-0.38	-0.92	-0.74	-0.71	-0.73	-0.84	-1.03	-1.30	-1.30
68S	-0.96	-0.30	-0.73	-0.80	-0.97	-1.17	-1.17	-1.40	-1.62	-1.71	-1.59	-1.59	-1.55	-1.51	-1.47	-1.43	-1.41	-1.48	-1.60	-1.60
72S	-0.95	-1.10	-1.33	-1.64	-1.97	-2.25	-2.25	-2.49	-2.59	-2.55	-2.43	-2.43	-2.40	-2.36	-2.27	-2.14	-1.95	-1.74	-1.57	-1.57
76S	-0.77	-1.11	-1.51	-1.97	-2.42	-2.81	-2.81	-3.09	-3.20	-3.18	-3.12	-3.09	-2.97	-2.87	-2.73	-2.44	-2.07	-1.60	-1.15	-1.15
80S	-0.58	-0.76	-1.38	-1.84	-2.23	-2.70	-2.70	-3.01	-3.12	-3.12	-3.14	-3.14	-3.02	-2.84	-2.59	-2.26	-1.78	-1.20	-0.65	-0.65
84S	-0.24	-0.56	-1.39	-1.85	-2.23	-2.70	-2.70	-3.01	-3.12	-3.12	-3.14	-3.14	-2.97	-2.73	-2.31	-1.79	-1.39	-0.89	-0.44	-0.44
88S	0.31	0.11	-0.08	-0.29	-0.52	-0.74	-0.74	-0.93	-1.04	-1.23	-1.32	-1.34	-1.42	-1.43	-1.39	-1.31	-1.21	-1.06	-0.84	-0.84

Table 5.24---Continued

	87.5W	82.5W	77.5W	72.5W	67.5W	62.5W	57.5W	52.5W	47.5W	42.5W	37.5W	32.5W	27.5W	22.5W	17.5W	12.5W	7.5W	2.5W
88N	0.30	0.30	0.31	0.34	0.34	0.32	0.30	0.24	0.27	0.27	0.27	0.20	0.29	0.31	0.32	0.32	0.35	2.5W
84N	0.07	0.16	0.26	0.32	0.36	0.35	0.27	0.20	0.15	0.11	0.11	0.11	0.12	0.17	0.21	0.29	0.42	0.56
80N	-0.62	-0.26	-0.03	0.34	0.52	0.59	0.55	0.44	0.20	0.15	0.08	0.02	0.01	0.05	0.14	0.32	0.55	0.86
76N	-1.69	-0.37	-0.27	0.32	0.75	0.99	1.01	0.85	0.60	0.34	0.10	-0.05	-0.11	-0.03	0.04	0.30	0.63	1.17
72N	-3.03	-1.73	-0.85	0.17	0.94	1.33	1.51	1.33	0.94	0.49	0.09	-0.17	-0.24	-0.15	-0.05	0.24	0.71	1.41
68N	-4.35	-3.12	-1.64	-0.22	0.90	1.61	1.88	1.73	1.25	0.68	0.14	-0.16	-0.24	-0.17	-0.05	0.15	0.63	1.47
64N	-5.34	-4.14	-2.47	-0.77	0.66	1.65	2.10	2.05	1.41	0.73	0.42	0.10	-0.01	-0.02	-0.01	0.06	0.63	1.31
60N	-5.95	-4.91	-3.16	-1.21	0.49	1.70	2.31	2.37	2.02	1.44	0.69	0.54	0.33	0.14	-0.04	-0.14	0.11	0.99
56N	-6.23	-5.40	-3.57	-1.36	0.58	1.93	2.58	2.65	2.36	1.75	1.35	0.93	0.55	0.16	-0.23	-0.46	-0.73	0.59
52N	-6.17	-5.49	-3.53	-1.16	0.76	2.35	2.81	2.82	2.46	2.02	1.53	1.22	0.66	-0.13	-0.52	-0.88	-0.57	0.17
48N	-5.63	-4.96	-3.08	-0.73	1.31	2.59	2.93	2.65	2.20	1.72	1.23	0.68	0.33	-0.63	-1.07	-1.13	-0.75	-0.03
44N	-4.61	-3.87	-2.24	-0.31	1.34	2.35	2.50	2.09	1.57	1.11	0.59	0.13	-0.46	-1.07	-1.29	-0.93	-0.32	0.16
40N	-3.34	-2.59	-1.35	0.03	1.19	1.35	1.84	1.38	0.89	0.54	0.24	-0.16	-0.75	-1.24	-1.13	-0.33	0.51	0.70
36N	-2.05	-1.39	-0.51	0.37	1.05	1.33	1.20	0.75	0.28	0.17	0.01	-0.27	-0.77	-1.13	-0.72	0.44	1.40	0.36
32N	-0.94	-0.39	0.25	0.81	1.15	1.17	0.82	0.39	0.15	0.05	0.02	-0.16	-0.53	-0.75	-0.18	1.09	2.05	1.99
28N	-0.23	0.29	0.91	1.38	1.54	1.35	0.84	0.43	0.34	0.29	0.20	0.08	-0.21	-0.37	0.17	1.33	2.19	1.99
24N	0.07	0.63	1.34	1.92	2.05	1.79	1.31	0.96	0.86	0.71	0.46	0.24	-0.10	-0.36	0.04	1.04	1.81	1.64
20N	0.17	0.76	1.65	2.25	2.41	2.21	1.84	1.60	1.48	1.15	0.62	0.13	-0.40	-0.33	-0.56	0.34	1.06	0.99
16N	0.15	0.75	1.71	2.30	2.40	2.33	2.22	2.12	2.01	1.43	0.61	-0.25	-1.05	-1.57	-1.35	-0.51	0.13	0.25
12N	0.06	0.62	1.44	1.31	1.80	1.37	2.04	2.16	2.06	1.43	0.38	-0.69	-1.56	-1.99	-1.75	-1.07	-0.55	-0.36
8N	-0.03	0.43	1.05	1.13	0.99	1.12	1.41	1.53	1.53	1.11	0.30	-0.55	-1.39	-1.59	-1.56	-1.20	-0.89	-0.64
4N	-0.17	0.23	0.57	0.51	0.41	0.63	0.96	1.09	1.03	0.84	0.35	-0.37	-0.96	-1.20	-1.16	-0.98	-0.79	-0.56
0	-0.43	-0.25	-0.13	-0.23	-0.03	0.33	0.85	1.01	0.90	0.63	0.48	-0.29	-0.75	-0.97	-0.83	-0.57	-0.41	-0.31
4S	-0.72	-0.74	-1.05	-1.09	-0.50	0.19	0.86	1.11	1.00	0.72	0.31	-0.23	-0.72	-0.93	-0.71	-0.33	-0.19	-0.21
8S	-1.02	-1.22	-1.33	-2.10	-1.32	-0.08	0.86	1.22	1.25	1.11	0.57	-0.03	-0.71	-1.11	-1.05	-0.74	-0.64	-0.60
12S	-1.48	-1.67	-2.55	-2.02	-1.95	-0.34	0.80	1.19	1.37	1.45	1.06	0.20	-0.58	-1.29	-1.48	-1.33	-1.33	-1.18
16S	-2.08	-2.16	-2.91	-3.17	-2.09	-0.34	0.76	1.08	1.24	1.41	1.10	0.31	-0.54	-1.15	-1.49	-1.55	-1.53	-1.45
20S	-2.49	-2.44	-2.83	-2.96	-1.90	-0.27	0.79	1.03	1.09	1.17	0.94	0.34	-0.27	-0.80	-1.16	-1.37	-1.51	-1.50
24S	-2.52	-2.40	-2.58	-2.55	-1.64	-0.13	0.79	0.99	0.98	0.95	0.71	0.34	0.13	-0.24	-0.65	-1.00	-1.29	-1.46
28S	-2.17	-1.96	-2.78	-2.12	-1.46	-0.21	0.67	0.89	0.89	0.73	0.50	0.27	0.22	0.16	-0.11	-0.58	-1.01	-1.36
32S	-1.67	-1.39	-1.49	-1.66	-1.20	-0.18	0.54	0.73	0.75	0.60	0.28	0.07	0.14	0.37	0.37	-0.05	-0.59	-1.16
36S	-1.28	-0.90	-0.95	-1.10	-0.66	0.15	0.63	0.67	0.65	0.52	0.15	-0.15	-0.14	0.23	0.67	0.52	-0.07	-0.87
40S	-1.06	-0.61	-0.54	-0.47	0.06	0.72	0.98	0.92	0.90	0.77	0.36	-0.11	-0.26	0.11	0.73	0.37	0.33	-0.54
44S	-0.93	-0.43	-0.19	0.15	0.32	1.33	1.54	1.54	1.57	1.45	0.99	0.33	-0.08	0.13	0.74	1.01	0.60	-0.22
48S	-0.79	-0.28	0.12	0.73	1.50	1.99	2.10	2.39	2.58	2.51	2.01	1.23	0.44	0.61	0.95	1.12	0.33	0.18
52S	-0.64	-0.20	0.26	1.03	1.83	2.40	2.74	3.19	3.59	3.55	3.28	2.60	2.02	1.80	1.72	1.53	1.17	0.62
56S	-0.68	-0.42	-0.01	0.82	1.79	2.43	3.34	3.73	4.34	4.65	4.57	4.15	3.69	3.32	2.30	2.15	1.55	0.98
60S	-1.01	-0.95	-0.65	0.18	1.27	2.19	3.02	3.92	4.74	5.30	5.51	5.32	4.93	4.33	3.54	2.55	1.73	1.13
64S	-1.45	-1.53	-1.33	-0.58	0.55	1.64	2.67	3.71	4.54	5.34	5.72	5.66	5.28	4.62	3.52	2.51	1.63	1.08
68S	-1.71	-1.75	-1.57	-0.97	0.01	1.39	2.12	3.11	3.96	4.60	4.95	4.89	4.49	3.84	2.96	2.01	1.25	0.75
72S	-1.43	-1.23	-0.94	-0.47	0.20	0.97	1.70	2.36	3.03	3.63	3.94	3.83	3.43	2.82	2.34	1.77	1.17	0.65
76S	-0.73	-0.29	0.15	0.54	0.91	1.23	1.58	1.76	1.85	1.83	1.69	1.43	1.13	0.94	0.53	0.21	-0.09	-0.33
80S	-0.14	0.36	0.30	1.11	1.32	1.43	1.41	1.23	1.00	0.71	0.53	0.24	-0.03	-0.24	-0.67	-0.89	-1.06	-0.32
84S	-0.07	0.23	0.58	0.77	0.84	0.90	0.75	0.46	0.15	-0.09	-0.31	-0.53	-0.74	-0.91	-1.07	-1.25	-1.42	-1.54
88S	-0.83	-0.74	-0.65	-0.62	-0.58	-0.57	-0.65	-0.77	-0.90	-0.93	-1.04	-1.09	-1.13	-1.17	-1.19	-1.22	-1.23	-1.20

Table 5.24--Continued

	2.5E	7.5E	12.5E	17.5E	22.5E	27.5E	32.5E	37.5E	42.5E	47.5E	52.5E	57.5E	62.5E	67.5E	72.5E	77.5E	82.5E	87.5E
88N	0.42	0.41	0.41	0.44	0.45	0.43	0.42	0.42	0.38	0.32	0.27	0.19	0.05	-0.01	-0.10	-0.21	-0.34	-0.44
84N	0.69	0.73	0.73	0.69	0.64	0.55	0.44	0.33	0.26	0.16	0.07	0.00	-0.08	-0.16	-0.26	-0.37	-0.52	-0.67
80N	1.16	1.44	1.63	1.85	1.90	1.34	1.75	1.61	1.44	1.36	1.04	0.71	0.34	0.14	-0.15	-0.42	-0.64	-0.76
76N	1.73	2.25	2.66	2.90	2.69	2.67	2.39	2.04	1.68	1.36	1.04	0.71	0.34	0.14	-0.15	-0.42	-0.64	-0.76
72N	2.27	3.12	3.75	4.03	3.93	3.43	2.90	2.28	1.68	1.20	0.82	0.42	0.02	-0.24	-0.52	-0.77	-0.75	-0.72
68N	2.60	3.76	4.59	4.89	4.69	4.04	3.18	2.30	1.47	0.82	0.31	-0.11	-0.47	-0.72	-0.86	-0.87	-0.69	-0.56
64N	2.62	3.93	4.80	5.06	4.79	4.36	3.08	2.06	1.11	0.34	-0.27	-0.73	-1.01	-1.06	-0.92	-0.74	-0.44	-0.04
60N	2.37	3.63	4.33	4.48	4.17	3.48	2.55	1.54	0.61	-0.16	-0.40	-1.29	-1.50	-1.27	-0.79	0.37	0.02	0.50
56N	1.90	2.92	3.31	3.31	3.03	2.43	1.71	0.85	0.07	-0.55	-1.15	-1.67	-1.85	-1.40	-0.56	0.11	0.53	1.00
52N	1.26	1.97	1.89	1.78	1.65	1.33	0.83	0.22	-0.32	-0.71	-1.16	-1.70	-1.94	-1.40	-0.38	0.51	1.06	1.33
48N	0.57	0.57	0.23	0.19	0.42	0.51	0.39	0.12	-0.15	-0.33	-0.65	-1.25	-1.68	-1.35	-0.34	0.64	1.20	1.38
44N	0.07	-0.69	-1.38	-1.24	-0.50	0.19	0.56	0.65	0.57	0.43	0.08	-0.65	-1.33	-1.25	-0.40	0.52	1.02	1.06
40N	-0.08	-1.54	-2.60	-2.38	-1.19	0.10	0.99	1.38	1.31	1.01	0.51	-0.33	-1.15	-1.21	-0.49	0.30	0.71	0.71
36N	0.12	-1.33	-3.27	-3.17	-1.79	-0.03	1.37	1.97	1.74	1.16	0.51	-0.32	-1.11	-1.23	-0.65	0.30	0.35	0.42
32N	0.48	-1.65	-3.40	-3.67	-2.44	-0.42	1.43	2.18	1.73	0.86	0.13	-0.55	-1.17	-1.30	-0.87	-0.39	-0.09	0.20
28N	0.65	-1.41	-3.31	-4.04	-3.19	-1.10	1.08	1.98	1.41	0.36	-0.37	-0.81	-1.36	-1.47	-1.17	-0.80	-0.43	0.12
24N	0.48	-1.31	-3.09	-4.09	-3.64	-1.70	0.55	1.43	0.87	-0.15	-0.64	-1.30	-1.64	-1.70	-1.43	-1.03	-0.50	0.27
20N	0.15	-1.10	-2.45	-3.45	-3.35	-1.34	0.04	0.72	0.10	-0.72	-1.22	-1.57	-1.82	-1.31	-1.50	-0.99	-0.31	0.56
16N	-0.12	-0.64	-1.33	-2.09	-2.33	-1.51	-0.33	-0.20	-0.78	-1.25	-1.43	-1.58	-1.71	-1.65	-1.30	-0.75	-0.03	0.81
12N	-0.21	0.03	0.05	-0.38	-0.85	-0.34	-0.73	-1.04	-1.39	-1.37	-1.21	-1.16	-1.19	-1.14	-0.35	-0.39	0.18	0.80
8N	-0.16	0.50	0.91	0.79	0.31	-0.27	-0.98	-1.59	-1.57	-1.06	-0.69	-0.55	-0.74	-0.77	-0.63	-0.35	0.06	0.51
4N	-0.07	0.54	0.87	0.78	0.42	-0.08	-0.72	-1.17	-1.32	-0.50	-0.21	-0.28	-0.40	-0.38	-0.31	-0.21	-0.01	0.27
0	0.00	0.37	0.35	-0.02	-0.26	-0.09	0.21	0.29	0.21	0.16	0.13	0.08	0.17	0.44	0.60	0.52	0.37	0.23
4S	-0.02	0.16	-0.17	-0.80	-0.69	0.02	1.30	1.76	1.22	0.50	0.19	0.28	0.68	1.25	1.54	1.32	0.83	0.24
8S	-0.24	0.05	-0.29	-0.85	-0.63	0.69	2.11	2.19	1.00	-0.10	-0.34	0.08	0.35	1.63	1.92	1.10	0.17	0.17
12S	-0.61	-0.11	-0.21	-0.41	0.14	1.46	2.37	1.69	-0.04	-1.22	-1.19	-0.34	0.85	1.37	2.26	2.10	1.44	0.15
16S	-0.99	-0.55	-0.46	-0.28	0.47	1.58	2.08	1.12	-0.65	-1.72	-1.52	-0.40	1.12	2.45	3.09	2.99	2.09	0.40
20S	-1.34	-1.22	-1.09	-0.65	0.16	1.05	1.43	0.70	-0.59	-1.30	-0.98	0.16	1.77	3.21	3.99	3.88	2.77	0.93
24S	-1.66	-1.92	-1.89	-1.41	-0.71	0.05	0.56	0.42	-0.10	-0.25	-0.99	1.22	2.65	3.95	4.71	4.54	3.37	1.69
28S	-1.85	-2.33	-2.55	-2.31	-1.88	-1.19	-0.38	0.13	0.41	0.81	1.45	2.37	3.54	4.62	5.13	4.92	3.85	2.51
32S	-1.83	-2.44	-2.76	-2.88	-2.80	-2.17	-1.16	-0.25	0.51	1.31	2.11	2.99	4.02	4.94	5.34	5.00	4.10	3.11
36S	-1.65	-2.21	-2.56	-2.93	-3.10	-2.55	-1.53	-0.59	0.28	1.19	2.05	2.91	3.92	4.79	5.10	4.71	3.93	3.27
40S	-1.33	-1.37	-2.20	-2.65	-2.90	-2.40	-1.44	-0.84	0.06	0.86	1.68	2.50	3.47	4.20	4.50	4.09	3.50	3.01
44S	-1.01	-1.48	-1.78	-2.20	-2.39	-1.38	-1.02	-0.44	-0.01	0.52	1.32	2.06	2.93	3.64	3.71	3.24	2.74	2.39
48S	-0.53	-1.01	-1.29	-1.60	-1.69	-1.20	-0.48	-0.11	0.09	0.52	1.11	1.76	2.49	3.00	2.39	2.31	1.73	1.46
52S	-0.02	-0.45	-0.63	-0.82	-0.82	-0.63	-0.25	-0.06	0.01	0.32	0.91	1.57	2.17	2.47	2.18	1.49	0.85	0.47
56S	0.44	0.12	0.08	-0.01	-0.30	-0.50	-0.52	-0.54	-0.51	-0.17	0.51	1.23	1.74	1.37	1.50	0.34	0.22	-0.18
60S	0.71	0.55	0.51	0.52	0.07	-0.51	-0.94	-1.14	-1.16	-0.79	-0.08	0.63	1.05	1.08	0.77	0.30	-0.12	-0.38
64S	0.76	0.73	0.81	0.70	0.19	-0.56	-1.13	-1.56	-1.51	-1.32	-0.72	-0.13	0.20	0.22	0.07	-0.09	-0.21	-0.24
68S	0.57	0.57	0.61	0.48	0.05	-0.57	-1.16	-1.54	-1.68	-1.55	-1.19	-0.43	-0.50	-0.43	-0.38	-0.23	-0.04	0.18
72S	0.16	0.00	-0.02	-0.16	-0.43	-0.73	-1.11	-1.34	-1.47	-1.47	-1.34	-1.15	-0.95	-0.69	-0.36	0.04	0.43	0.86
76S	-0.50	-0.54	-0.37	-1.03	-1.18	-1.30	-1.38	-1.39	-1.37	-1.33	-1.23	-1.04	-0.76	-0.40	-0.61	0.61	1.17	1.63
80S	-1.23	-1.41	-1.57	-1.69	-1.74	-1.71	-1.50	-1.50	-1.37	-1.17	-0.93	-0.64	-0.29	-0.13	-0.51	1.15	1.63	2.15
84S	-1.62	-1.70	-1.77	-1.79	-1.74	-1.66	-1.56	-1.34	-1.05	-0.75	-0.41	-0.07	0.29	0.67	1.06	1.48	1.89	2.23
88S	-1.16	-1.11	-1.05	-0.97	-	-0.69	-0.57	-0.39	-0.18	0.05	0.28	0.52	0.75	0.95	1.17	1.39	1.60	1.76

Table 5.24--Continued

	92.5E	97.5E	102.5E	107.5E	112.5E	117.5E	122.5E	127.5E	132.5E	137.5E	142.5E	147.5E	152.5E	157.5E	162.5E	167.5E	172.5E	177.5E
38N	-0.50	-0.54	-0.53	-0.64	-0.64	-0.65	-0.63	-0.59	-0.54	-0.51	-0.50	-0.45	-0.40	-0.36	-0.32	-0.28	-0.26	-0.24
39N	-0.78	-0.76	-0.73	-0.95	-0.96	-0.93	-0.93	-0.83	-0.76	-0.72	-0.68	-0.58	-0.49	-0.43	-0.30	-0.23	-0.18	-0.12
80N	-0.81	-0.84	-0.83	-0.84	-0.87	-0.92	-0.92	-0.83	-0.84	-0.90	-0.38	-0.90	-0.72	-0.63	-0.41	-0.31	-0.18	-0.12
76N	-0.61	-0.49	-0.37	-0.33	-0.39	-0.52	-0.64	-0.76	-0.88	-1.00	-1.03	-1.03	-1.01	-0.96	-0.36	-0.74	-0.61	-0.41
72N	-0.23	0.11	0.37	0.46	0.37	0.15	-0.17	-0.50	-0.77	-0.99	-1.16	-1.25	-1.31	-1.32	-1.28	-1.13	-1.03	-0.61
53N	0.20	0.59	1.03	1.17	1.07	0.74	0.24	-0.30	-0.72	-1.01	-1.24	-1.42	-1.56	-1.53	-1.55	-1.63	-1.54	-1.31
64N	0.59	1.07	1.33	1.48	1.35	0.94	0.33	-0.34	-0.25	-1.13	-1.35	-1.60	-1.80	-1.35	-1.38	-1.95	-1.95	-1.69
60N	0.96	1.26	1.42	1.38	1.14	0.70	0.09	-0.60	-1.07	-1.26	-1.48	-1.45	-2.09	-2.05	-1.38	-2.03	-2.04	-1.72
56N	1.28	1.35	1.23	0.94	0.57	0.16	-0.34	-0.38	-1.20	-1.23	-1.56	-2.09	-2.39	-2.24	-1.96	-1.73	-1.73	-1.34
52N	1.44	1.23	0.84	0.33	-0.14	-0.44	-0.67	-0.91	-1.01	-1.05	-1.46	-2.17	-2.54	-2.23	-1.52	-1.50	-1.24	-0.70
48N	1.25	0.35	0.30	-0.27	-0.67	-0.72	-0.55	-0.44	-0.40	-0.51	-1.07	-1.85	-2.23	-1.99	-1.47	-1.05	-0.75	-0.28
44N	0.81	0.34	-0.23	-0.72	-0.92	-0.54	-0.10	0.24	0.28	0.04	-0.56	-1.22	-1.50	-1.32	-0.94	-0.69	-0.61	-0.43
40N	0.45	0.01	-0.51	-0.93	-0.97	-0.46	0.25	0.65	0.62	0.27	-0.27	-0.69	-0.78	-0.62	-0.45	-0.53	-0.31	-1.00
36N	0.32	0.02	-0.43	-0.80	-0.77	-0.24	0.42	0.71	0.55	0.15	-0.33	-0.52	-0.40	-0.21	-0.25	-0.63	-1.25	-1.63
32N	0.39	0.32	0.00	-0.30	-0.28	0.11	0.50	0.52	0.18	-0.29	-0.71	-0.80	-0.52	-0.30	-0.43	-1.14	-1.37	-1.68
28N	0.61	0.72	0.53	0.34	0.42	0.70	0.80	0.45	-0.13	-0.70	-1.13	-1.21	-0.89	-0.66	-0.96	-1.72	-2.40	-2.57
24N	0.91	1.05	0.85	0.74	0.99	1.36	1.33	0.71	-0.15	-0.33	-1.27	-1.38	-1.10	-0.87	-1.21	-1.98	-2.54	-2.49
20N	1.19	1.21	0.83	0.75	1.20	1.78	1.85	1.14	0.09	-0.66	-1.09	-1.26	-1.03	-0.76	-1.01	-1.71	-2.20	-2.15
16N	1.34	1.45	0.64	0.50	1.06	1.30	2.19	1.56	0.50	-0.25	-0.66	-0.86	-0.69	-0.33	-0.46	-1.01	-1.54	-1.70
12N	1.11	0.77	0.15	0.00	0.61	1.55	2.04	1.63	0.86	0.27	-0.30	-0.15	-0.06	0.21	0.26	-0.15	-0.75	-1.24
8N	0.70	0.35	-0.20	-0.30	0.19	0.93	1.40	1.38	1.04	0.75	0.63	0.62	0.74	0.92	0.36	0.43	-0.21	-0.90
4N	0.36	0.03	-0.30	-0.31	0.04	0.42	0.64	0.74	0.77	0.77	0.73	0.68	0.71	0.73	0.73	0.45	-0.03	-0.75
0	0.01	-0.20	-0.44	-0.28	0.03	0.13	-0.00	-0.09	0.07	0.30	0.25	-0.12	-0.68	-0.54	-0.26	-0.00	-0.20	-0.73
4S	-0.39	-0.81	-0.75	-0.33	0.04	-0.01	-0.44	-0.75	-0.55	-0.15	-0.21	-0.91	-1.74	-1.95	-1.33	-0.65	-0.55	-0.89
8S	-0.94	-1.64	-1.41	-0.58	0.05	0.01	-0.50	-0.66	-0.62	-0.04	-0.04	-0.33	-1.97	-2.45	-1.95	-1.30	-1.10	-1.34
12S	-1.47	-2.52	-2.30	-1.21	-0.29	-0.35	-0.32	-0.32	0.01	0.54	0.50	-0.14	-1.47	-2.26	-2.17	-1.93	-1.95	-1.87
16S	-1.54	-2.31	-2.84	-1.97	-1.07	-0.49	-0.06	0.39	0.90	1.40	1.47	0.60	-0.92	-2.05	-2.38	-2.45	-2.51	-2.15
20S	-0.95	-2.24	-2.63	-2.34	-1.41	-1.11	-0.16	0.30	1.57	2.15	2.25	1.40	-0.23	-1.65	-2.05	-2.71	-2.76	-2.22
24S	0.14	-1.02	-1.75	-2.13	-2.16	-1.60	-2.41	0.87	1.32	2.00	2.77	2.09	0.47	-1.07	-2.00	-2.54	-2.64	-2.12
28S	1.39	0.39	-0.57	-1.42	-1.46	-1.71	-0.58	0.59	1.62	2.56	2.83	2.37	0.36	-0.46	-1.38	-1.97	-2.17	-1.82
32S	2.26	1.32	0.26	-0.73	-1.52	-1.60	-0.77	0.25	0.98	1.55	2.25	2.09	1.11	0.05	-0.54	-1.09	-1.36	-1.26
36S	2.54	1.58	0.53	-0.43	-1.50	-1.72	-1.35	-0.70	-0.16	0.51	1.26	1.47	1.01	0.43	0.08	-0.13	-0.42	-0.49
40S	2.39	1.45	0.43	-0.46	-1.42	-2.22	-2.42	-2.21	-1.79	-0.93	0.05	0.67	0.68	0.50	0.45	0.44	0.37	0.30
44S	1.90	1.05	0.10	-0.77	-1.80	-2.98	-3.80	-4.04	-3.71	-2.77	-1.46	-0.43	0.02	0.14	0.41	0.63	0.35	0.94
48S	1.06	0.35	-0.47	-1.29	-2.36	-3.31	-5.15	-5.81	-5.64	-4.71	-3.28	-1.96	-1.11	-0.60	-0.06	0.51	0.47	1.23
52S	0.11	-0.43	-1.20	-1.92	-2.91	-4.37	-5.87	-6.76	-6.82	-5.16	-4.96	-3.62	-2.50	-1.65	-0.53	-0.05	0.53	1.07
56S	-0.50	-1.32	-1.66	-2.27	-3.09	-4.28	-5.56	-6.41	-6.63	-6.35	-5.62	-4.53	-3.40	-2.41	-1.52	-0.78	-0.13	0.38
60S	-0.60	-1.00	-1.49	-1.97	-2.57	-3.39	-4.29	-4.90	-5.15	-5.15	-4.63	-4.12	-3.24	-2.42	-1.77	-1.30	-0.59	-0.40
64S	-0.29	-0.40	-0.70	-1.02	-1.33	-1.77	-2.25	-2.57	-2.75	-2.34	-2.33	-2.51	-2.06	-1.65	-1.44	-1.30	-1.25	-0.98
68S	0.31	0.36	0.39	0.43	0.41	0.32	0.17	0.09	0.03	-0.11	-0.25	-0.24	-0.25	-0.37	-0.47	-0.47	-1.13	-1.13
72S	1.13	1.33	1.64	1.50	2.09	2.19	2.23	2.24	2.20	2.05	1.32	1.58	1.25	0.30	0.25	-0.29	-0.63	-0.85
76S	2.19	2.33	2.55	2.96	3.21	3.35	3.42	3.40	3.25	2.74	2.33	2.33	1.95	1.41	1.33	0.29	-0.14	-0.47
80S	2.54	2.47	3.11	3.43	3.65	3.76	3.77	3.65	3.48	3.20	2.88	2.50	2.06	1.51	1.10	0.45	-0.24	-0.47
84S	2.55	2.33	3.03	3.19	3.31	3.37	3.34	3.21	3.00	2.77	2.51	2.20	1.81	1.51	1.19	0.45	-0.24	-0.47
88S	1.92	2.05	2.15	2.23	2.27	2.27	2.25	2.17	2.06	1.95	1.32	1.66	1.48	1.32	1.15	0.97	0.74	0.51

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